Electronics Main Line

Australian and New Zealand Catalogue 2014-2015

Let's connect.

Weidmüller

Electronics Main Line
Connect, protect, monitor and control

Electronics Main Line

Surge protection

Power monitor

Switchmode power supplies

Industrial Ethernet

u-remote IP20 remote I/O

PLC interface units

Relay modules and solid state relays

Analogue signal conditioning

Sensor Actuator Interface

FBcon

Electrical Connectivity

Electronics Main Line
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Electronics Main Line
Product overview

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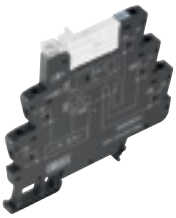

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Weidmüller

Surge protection

Protection for all your assets

Weidmüller offers a complete range of quality lightning and surge protection products for protecting your installation from the harmful effects of overvoltage transients. Whether protection for Power mains, Photovoltaic Solar, Control & Instrumentation, communications or radio, there is a solution to meet your needs. All products are exclusively Weidmüller with distinct design advantages and meeting the latest international approvals for safety and performance. All products are backed by professional warranties with local stocking and fast deliveries.

www.weidmuller.com.au

Surge protection

Surge protection	VPU I – Power high exposure	A.2
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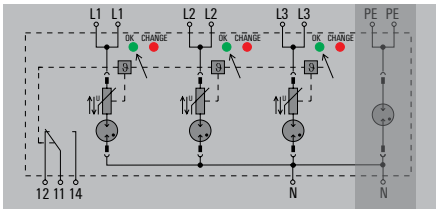
VPU I - Imax 100kA

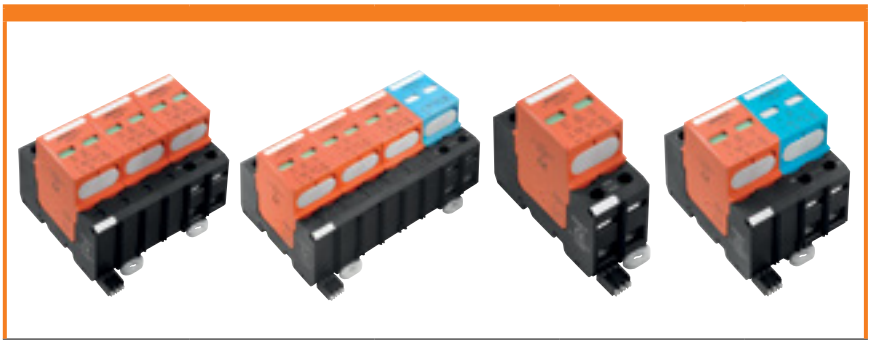
- **Category C3, C2, C1, B**
- Pluggable arrester
- Large centralised window
- Suitable with 100 kA (8/20 µs) for lightning protection level I, II, III and IV (LPL I/II/III/IV)
- Tested according to IEC 61643-11 for Type I and II surge protection
- Can also be used as Cat B surge protection
- Alarm option

Accessories

Type	Order No.
Pluggable spare arrester L-N	1351540000
Pluggable spare arrester N-PE	1351940000
Replaceable remote signaling contact	1402570000



High exposure protection



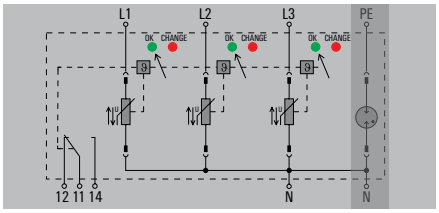
Product name	Max voltage (AC)	Phase	Imax (8/20µs)	MEN point	Alarm contact	Order number
VPU I 3 LCF 280V/25KA	280V	3	100kA	Yes	No	**1351690000**
VPU I 3 R LCF 280V/25KA	280V	3	100kA	Yes	Yes	**1351670000**
VPU I 3+1 LCF 280V/25KA	280V	3+1	100kA	No	No	**1351780000**
VPU I 3+1RLCF 280V/25KA	280V	3+1	100kA	No	Yes	**1351770000**
VPU I 1 LCF 280V/25KA	280V	1	100kA	Yes	No	**1351590000**
VPU I 1 R LCF 280V/25KA	280V	1	100kA	Yes	Yes	**1351570000**
VPU I 1+1 LCF 280V/25KA	280V	1+1	100kA	No	No	**1351750000**
VPU I 1+1RLCF 280V/25KA	280V	1+1	100kA	No	Yes	**1351740000**

VPU II - Imax 40kA

- **Category B**
- Pluggable arrester
- Tested to IEC 61643-11 Type II
- High energy absorption with short response time
- Arrester can be rotated through 180°
- No follow-on current
- Installation in distribution board
- Thermal protection function
- Co-ordination with VPU Type I

Accessories

Type	Order No.
Pluggable spare arrester	1352570000
Pluggable spare arrester N-PE	1351180000
Replaceable remote signaling contact	1402570000



Submains and distribution protection

Product name	Max voltage (AC)	Phase	Imax (8/20µs)	MEN point	Alarm contact	Order number
VPU II 3 280V/40KA	230 V / 400 V	3	40 kA	Yes	No	**1352700000**
VPU II 3 R 280V/40KA	230 V / 400 V	3	40 kA	Yes	Yes	**1352720000**
VPU II 3+1 280V/40KA	230 V / 400 V	3+1	40 kA	No	No	**1352650000**
VPU II 3+1 R 280V/40KA	230 V / 400 V	3+1	40 kA	No	Yes	**1352670000**
VPU II 1 280V/40KA	230 V	1	40 kA	Yes	No	**1352580000**
VPU II 1 R 280V/40KA	230 V	1	40 kA	Yes	Yes	**1352590000**
VPU II 1+1 280V/40KA	230 V	1+1	40 kA	No	No	**1352630000**
VPU II 1+1 R 280V/40KA	230 V	1+1	40 kA	No	Yes	**1352640000**

VPU III

- **Category A**
- Final circuit surge protection
- Suitable for protecting sensitive equipment
- Installed in the vicinity of the equipment to be protected
- For mounting on TS35 rail
- Arrester with remote signalling contact
- Tested in accordance with IEC 61643-11

Accessories

Type	Order No.
Replaceable remote signaling contact	1402570000

Final subcircuit protection

VPU III R 230 V / 6 kV | VPU III 3 / 280 V | VPU III SO LD / +A

Product name	Max voltage (AC)	Rated current	Imax (8/20µs)	Ordering data	Order number
VPU IIIR 230V/6KV AC	230 V	16 A	3 kA	Screw connection	**1351650000**
VPU III R 48V/4KV AC/DC	48 V	16 A	2 kA	Screw connection	**1351600000**
VPU III R 24V/4KV AC/DC	24 V	16 A	2 kA	Screw connection	**1351580000**
VPU III 3/280V	230 V	16 A	3 kA	Screw connection	**1393050000**
VPU III SO LD	230 V	-	1.5 kA	Flush mount	**1351680000**
VPU III SO LD+A	230 V	-	1.5 kA	Flush mount	**1351700000**

Type II surge voltage arrester for use in photovoltaic applications

- Pluggable arresters
- Suitable for protecting DC systems as Type II arrester
- Encapsulated, non-blow-out arrester
- Tested in accordance with EN 50539-11
- Suitable for use in accordance with IEC 60364-7-712 / EN 50539-12
- Use if the separation distance can be observed

Accessories

Type		Order No.
Pluggable spare arrester	VPU II 0 PV 600 V	1351320000
Pluggable spare arrester	VPU II 0 PV 1,000 V	1351190000
Pluggable spare arrester	VPU II 0 PV Y 1,000 V	1375440000
Replaceable remote signaling contact	PLUG VPU	1402570000

VPU Photovoltaics

CLASS II | CLASS II | CLASS I

Product name	Rated voltage (DC)	I_N	Imax (8/20µs)	Alarm contact	Order number
VPU II 2 PV 600V DC	600 V	20kA	40 kA	No	**1351340000**
VPU II 2 R PV 600V DC	600 V	20kA	40 kA	Yes	**1351370000**
VPU II 2 PV 1000V DC	1000 V	12.5kA	25 kA	No	**1351220000**
VPU II 2 R PV 1000V DC	1000 V	12.5kA	25 kA	Yes	**1351240000**
VPU II 3 PV 1000V DC	1000 V	25kA	40 kA	No	**1351270000**
VPU II 3 R PV 1000V DC	1000 V	25kA	40 kA	Yes	**1351290000**
VPU I 2+0 R PV 600V DC	600 V	20kA	40 kA	Yes	**1351490000**
VPU I 2+0 R PV 1000V DC	1000 V	20kA	40 kA	Yes	**1351430000**

Varitector logger 30

- 4 year battery life
- Records year / month / day / hour
- Plug and play with a clip-on CT
- Ideal complement to type II and type III VPU SPD's
- 100A to 50kA triggering range

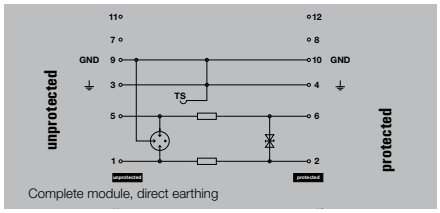
Varitector logger 30

Product name	Display	Maximum number of pulses	Dimensions H x W x D mm	Order number
VARITECTOR LOGGER 30	LCD	99	36 x 68 x 90	**1428780000**
Accessories				
PLUG VPU				**1402570000**

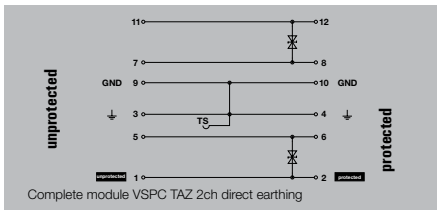
Instrument surge protection
Pluggable modules

- Pluggable arrester
- Optional monitor function with status indicator and alert function
- Base conducts when surge module removed
- Discharge current Imax (8/20µs): 10kA
- Bases available with direct earthing or floating earth

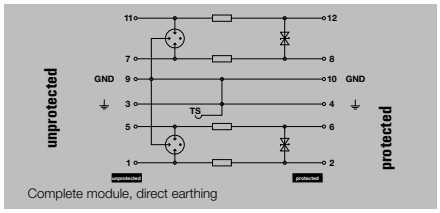
CL



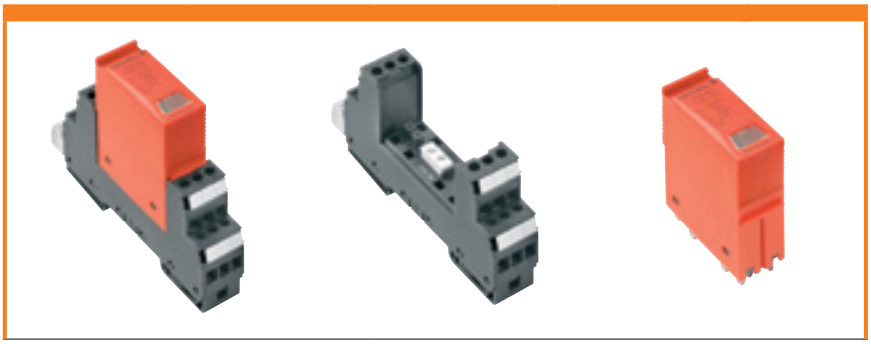
PT100



RS485



Imax 10kA



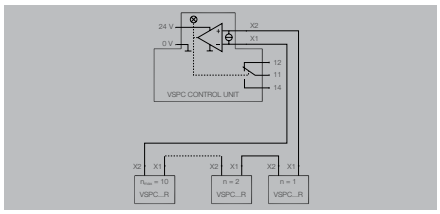
Interface / Signal	Operating Current	Max Voltage	Protection Device	Order number Arrestor	Order No. Direct earthing base	Order No. Indirect earthing base
Without monitoring						
1 x 4-20mA / 0-10V	0.45 A	28 V	VSPC 1CL 24 V DC 0.5 A	**8924480000**	**8924730000**	**8924290000**
2 x 4-20mA / 0-10V	0.45 A	28 V	VSPC 2CL 24 V DC 0.5 A	**8924470000**	**8924710000**	**8924270000**
Binary Dual Channel	0.45 A	28 V	VSPC 2SL 24 V DC 0.5 A	**8924330000**	**8924710000**	**8924270000**
Hart	0.45 A	28 V	VSPC 1CL 24 V DC 0.5 A	**8924480000**	**8924730000**	**8924290000**
PT100	0.45 A	24 V	VSPC 3/4WIRE 24 V DC	**8924550000**	**8924740000**	**8924300000**
RS485	0.45 A	6.4 V	VSPC R485 2 CH	**8924670000**	**8924710000**	**8924270000**
RS232-C / V.24	0.45 A	15 V	VSPC 2CL HF 12 V DC	**8924460000**	**8924710000**	**8924270000**
CAN-Bus	0.45 A	15 V	VSPC 2CL HF 12 V DC	**8924460000**	**8924710000**	**8924290000**
Devicenet	0.45 A	15 V	VSPC 2CL HF 12 V DC	**8924460000**	**8924710000**	**8924290000**
Ethernet Cat.6	1 A	48 V	V DATA Cat.6	**1348590000**	-	-
Profibus DP	0.45 A	6.4 V	VSPC R485 2 CH	**8924670000**	**8924710000**	**8924270000**
With monitoring						
1 x 4-20mA / 0-10V	0.45 A	28 V	VSPC 1CL 24 V DC 0.5 A R	**8951480000**	**8951710000**	**8951720000**
2 x 4-20mA / 0-10V	0.45 A	28 V	VSPC 2CL 24 V DC 0.5 A R	**8951550000**	**8951730000**	**8951740000**
Binary Dual Channel	0.45 A	28 V	VSPC 2SL 24 V DC 0.5 A R	**8951630000**	**8951710000**	**8951720000**
Hart	0.45 A	28 V	VSPC 1CL 24 V DC 0.5 A R	**8951480000**	**8951730000**	**8951740000**
RS485	0.45 A	6.4 V	VSPC R485 2 CH R	**8951670000**	**8951790000**	**8951800000**
RS232-C / V.24	0.45 A	15 V	VSPC 2CL HF 12 V DC R	**8951690000**	**8951710000**	**8951720000**
CAN-Bus	0.45 A	15 V	VSPC 2CL HF 12 V DC R	**8951690000**	**8951710000**	**8951720000**
Devicenet	0.45 A	15 V	VSPC 2CL HF 12 V DC R	**8951690000**	**8951710000**	**8951720000**
Profibus DP	0.45 A	6.4 V	VSPC R485 2 CH	**8951670000**	**8951790000**	**8951800000**

*Other models avaliable on request

**VSPC control unit must be used with monitoring models

VSPC control unit 24 V DC

- For monitoring up to 10 protective modules
- Signalling module for all VSPCs with status indicator
- Signalling of cable breaks / signal interruptions
- Voltage supply from 18...31 V DC
- Potential-free changeover contact
- Function indicator (red/green LED)
- Other NC-contact monitoring functions can be integrated into the signal circuit (e.g.PU I, PU II and PU III)



VSPC control unit 24 V DC

Product name	Type	Rated voltage (DC)	Max switching voltage / continous current	Operating status	Order number
VSPC CONTROL UNIT 24 V DC	1 CO contact	18 V...24 V DC...31 V DC	250 V / 1 A	Green LED	**8972270000**

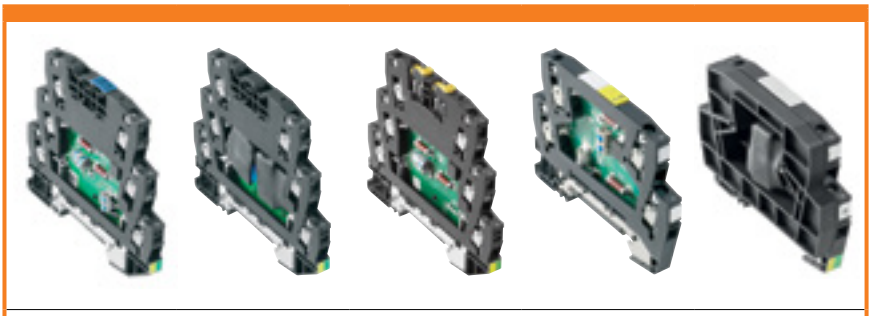
*VSPC control unit must be used with alarm models

VSSC

Two-stage surge protection with screw connection for instrumentation, control and automation technology

- Surge protection in terminal-block format
- Modular width of just 6.2 mm
- Space-saving design: 1 analogue signal
- Torx slotted screw connection
- Version with non-earthed PE connection for avoiding potential differences
- Usable in accordance with installations standard IEC 62305
- Integrated PE contact in base element, safely discharges up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to PE
- IEC EX/ATEX versions available
- Current loop disconnect with test points

VSSC



VSSC6 | VSSC6 TR | VSSC6 TR CL | VSSC4 CL | VSSC4 MOV

Interface / Signal	Imax (8/20µs)	Operating Current	Max Voltage	Protection Device	Order number
VSSC6					
4-20mA / 0-10V	5kA	0.5 A	42V DC	VSSC6 CL 24 V UC 0.5A	**1064170000**
TR CL 24 V UC	5kA	0.5 A	42V DC	VSSC6 TRCL24VAC/DC0.5A	**1064230000**
Binary Single Channel	10kA	0.5 A	42V DC	VSSC6 SL LD 24 VAC/DC 0.5A	**1064350000**
TR SL LD 24 V UC	10kA	0.5 A	42V DC	VSSC6TRSLLD24VAC/DC0.5A	**1064390000**
Varistor Protection	1kA	12 A	15V DC	VSSC6 MOV 12VDC	**1064530000**
Varistor Protection	1kA	12 A	42V DC	VSSC6 MOV 24 VAC/DC	**1064540000**
TR LD MOV 24 V UC	1kA	12 A	42V DC	VSSC6 TRLDMOV 24VAC/DC	**1064810000**
RS485	10kA	0.5 A	15V DC	VSSC6 RS485	**1064980000**
RS485 DP	10kA	0.5 A	12V DC	VSSC6 RS485 DP	**1065010000**
VSSC4					
4-20mA / 0-10V	5kA	0.5 A	42V DC	VSSC4 CL 24 V UC 0.5 A	**1063730000**
Binary Single Channel	10kA	0.5 A	42V DC	VSSC4 SL 24 V UC 0.5A	**1063840000**
Varistor Protection	1kA	32 A	15V DC	VSSC4 MOV 12 V DC	**1063950000**
Varistor Protection	1kA	32 A	42V DC	VSSC4 MOV 24 VAC/DC	**1063960000**

*Other models avaliable on request please see website or app

Weidmüller

Power Monitor

Manage your power consumption

Weidmüller's range of Power Monitors can be used as a foundation on which to build your power management system. Used as an easy-to-install solution, it can be retrofitted to existing systems to provide monitoring of equipment. Its large display and push button keys provide user friendly operation, and its integrated USB port can be used for quick PC setup with free software. Remote monitoring and logging can be achieved through use of the built-in Modbus RTU interface. Available in two models; a basic and advanced series, Weidmüller's Power Monitor range provides an impressive amount of functionality for an affordable cost to meet monitoring needs for equipment.

www.weidmuller.com.au

Power monitor

Power monitor	Power monitor	B.2

Energy meters
Power Monitor

- Large 4 line backlit LCD
- Current input of 1A or 5A
- 3 phase or 3 x single phase measurements
- USB & Modbus RTU RS485 communications standard
- Measured values V, I, P, Q, S, PF, HZ, °C
- Class 1, 1.0% accuracy
- 96mm²

Power Monitor Advanced (PM51A)
Extended features
Power Monitor features plus

- Neutral current measurement
- Harmonic measurement (THD) to 31st harmonic
- 2 Digital inputs / 2 Digital outputs
- 32 kB internal storage
- Class 0.5s, 0.5% accuracy
- 5 independent tariff rate settings
- 96mm²
- (Download free configuration software from downloads www.weidmuller.com.au (programmed via mini USB port at rear of Power Monitor)

This application is only one example of how to control energy costs and save costs over the long term.

Further areas of use of the Power-Monitor devices are:
- Reducing power consumption and costs by identifying "energy guzzlers"
- Reducing operating costs by means of automatic consumption and requirements analyses
- Conserving resources through a detailed power network analysis

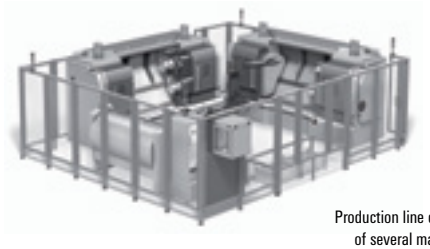
96mm²

POWER MONITOR | POWER MONITOR 51A | Current Transformer - Split | Current Transformer - Fixed

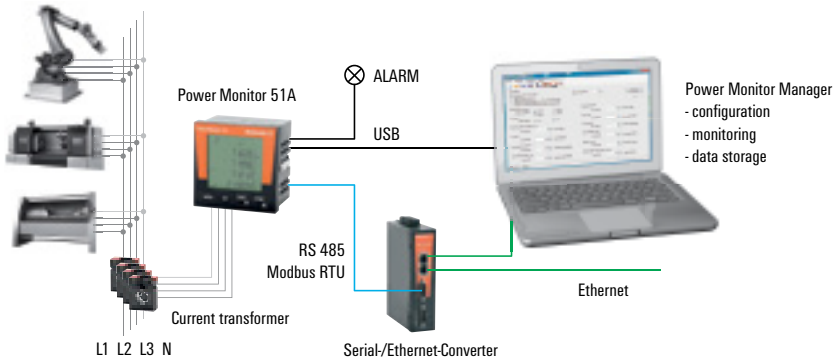
Product name	Input current	Supply Voltage	Accuracy	Measured data	Measured phases	Harmonic [THD]	Output	Order number
POWER MONITOR	1A or 5A	85 to 264 VAC / 100 to 300V DC	Power; Class 1, 1.0%	V, I, P, Q, S, PF	L1, L2, L3	-	Modbus RTU	**1423550000**
POWER MONITOR 51A	1A or 5A	85 to 264 VAC / 100 to 300V DC	Power; Class 0.5s, 0.5%	V, I, P, Q, S, PF	L1, L2, L3, N	31st	Modbus RTU, 2 DI, 2DO	**1470260000**

Current Transformers

Product name	Ratio	P [VA]	Class	Order number
Split core				
KCMA-18-50-1A-1VA-3	50:1	1	3	**1482020000**
KCMA-18-100-1A-1,25VA-3	100:1	1.25	3	**1482010000**
KCMA-18-250-1A-1,5VA-1	250:1	1.5	1	**1482000000**
KCMA-32-400-1A-5VA-1	400:1	5	1	**1481990000**
KCMA-32-600-1A-5VA-1	600:1	5	1	**1481980000**
Fixed				
CMA-22-60-5A-1,5VA-1	60:5	1.5	1	**1482140000**
CMA-22-100-5A-2,5VA-0,5	100:5	2.5	0.5	**1482150000**
CMA-22-250-5A-5VA-0,5	250:5	5	0.5	**1482170000**
CMA-22-500-5A-5VA-0,5	500:5	5	0.5	**1482220000**
CMA-22-600-5A-5VA-0,5	600:5	5	1	**1482180000**
CMA-31-75-5A-2,5VA-1	75:5	5	2.5	**1482040000**
CMA-31-100-5A-2,5VA-1	100:5	2.5	1	**1482030000**
CMA-31-250-5A-5VA-0,5	250:5	5	0.5	**1482050000**
CMA-31-500-5A-5VA-0,5	500:5	5	0.5	**1482070000**
CMA-31-750-5A-5VA-0,5	750:5	5	0.5	**1482080000**



Production line consisting of several machines



Switchmode power supplies

Switchmode power supplies	PROeco	C.4
	PROmax	C.5
	DC UPS and Buffer	C.6
	PRO-H	C.7
	INSTAPOWER	C.8
	PRO-E	C.9

Confidently respond to all of your application requirements

Our customised switchedmode power supply units provide a reliable basis

Your customers expect maximum reliability of supply for every application. With the three families of switchedmode power supply units from Weidmüller, you are laying the foundation for a needs-based supply concept.

From the especially economical PROeco, through the powerful PROmax, to our specialist PRO-H, we always deliver the right supply – coordinated to the specific requirements of your machine or system. Parallel circuits consisting of up to five devices mean that power can be adapted in a customised fashion.

PROmax, "the powerhouse":
suitable for maximum loading and flexible in use

The high-performance PROmax series of switchedmode power supply units are designed for especially ambitious machine construction. They demonstrate their strengths in plant manufacture, in the food and beverage industry, in automotive construction and even in simple systems in the process industry. PROmax is capable of handling continuous overload of up to 20% at 45°C or transient peak loads of 300% with ease. With start-up temperatures down to –40°C, the power packs prove to be especially robust. Thanks to their narrow width, they also fit in confined spaces. A multitude of approvals mean that PROmax can be used around the world.

PROeco, “the economical solution”: outstanding power on a small budget

The PROeco series of switched-mode power supply units offer all the basic functions and cut an impressive figure with high power and flexibility. They are optimally suited to the smallest of applications in machine building where everything boils down to space, user-friendliness and efficiency. Given their extremely low construction depth of just 100 mm, PROeco units are ideally suited to use in field cabinets, flat distributor boxes or compact series machines.

PRO-H, “the specialist”: ideal for the specific requirements of explosive risk zones

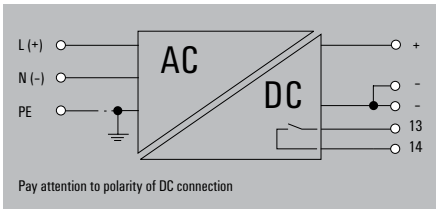
The switched-mode power supply units of the PRO-H series withstand the most extreme conditions. Thanks to MTBF (Mean Time Between Failures) values of up to 1,800,000 hours, they are suitable for special applications, such as in transporting fuel from chemical systems or to conventional power plants. ATEX approvals allow for use in explosive risk zones and in the high-performance range.

PROeco

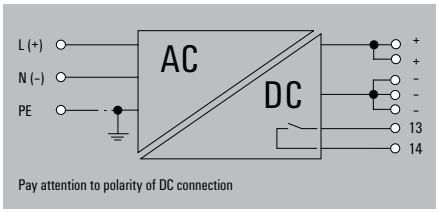
General purpose power supply with high reliability

- 12V, 24V, 48V DC outputs
- Models for 1, 2, or3 phase operation
- Side by side mounting
- Adjustable voltage output
- Parallel connection to 5 units
- Tricolour LED for fast load diagnostics
- -25°C to 70°C operation (derating @ 55°C)
- International approvals

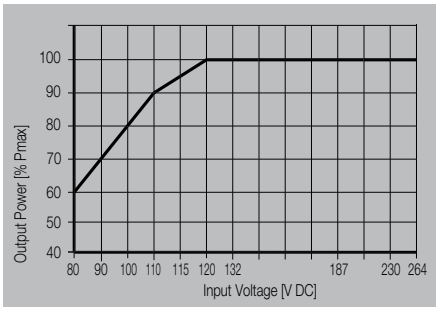
Single phase connection



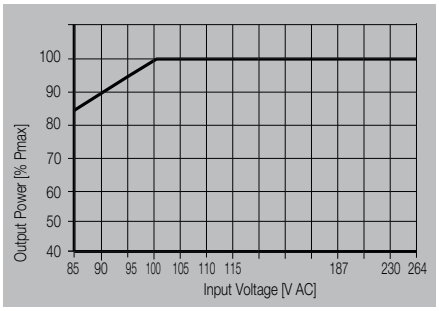
Three phase connection



Percentage output versus input voltage



Percentage output versus temperature



Product name	Input AC (V)	Input DC (V)	Output DC (V)	Output current (A)	Rated output power (W)	W x H x D mm	Order number
Single-phase							
PRO ECO 72W 24V 3A	85..264	80...370	24	3	72	34 x 125 x 100	**1469470000**
PRO ECO 120W 24V 5A	85..264	80...370	24	5	120	40 x 125 x 100	**1469480000**
PRO ECO 240W 24V 10A	85..264	80...370	24	10	240	60 x 125 x 100	**1469490000**
PRO ECO 480W 24V 20A	85..264	80...370	24	20	480	100 x 125 x 120	**1469510000**
PRO ECO 960W 24V 40A	85..264	80...370	24	40	960	160 x 125 x 120	**1469520000**
PRO ECO 72W 12V 6A	85..264	80...370	12	6	72	34 x 125 x 100	**1469570000**
PRO ECO 120W 12V 10A	85..264	80...370	12	10	120	40 x 125 x 100	**1469580000**
PRO ECO 240W 48V 5A	85..264	80...370	48	5	240	100 x 125 x 120	**1469590000**
PRO ECO 480W 48V 10A	85..264	80...370	48	10	480	160 x 125 x 120	**1469610000**
Three-phase							
PRO ECO3 120W 24V 5A	340...575	450...870	24	5	120	40 x 125 x 100	**1469530000**
PRO ECO3 240W 24V 10A	340...575	450...870	24	10	240	60 x 125 x 100	**1469540000**
PRO ECO3 480W 24V 20A	340...575	450...870	24	20	480	100 x 125 x 120	**1469550000**
PRO ECO3 960W 24V 40A	340...575	450...870	24	40	960	160 x 125 x 120	**1469560000**

Power supplies expansion modules

Product name	Input current (A)	Input DC (V)	Output DC (V)	W x H x D mm	Order number
CP M DM20 (diode module)	2 x 10 A or 1 x 20 A (redundancy)	18...30	U_{IN} - 0.7	34 x 130 x 150	**1222210000**
CP M DM40 (diode module)	2 x 20 A or 1 x 40 A (redundancy)	18...30	U_{IN} - 0.7	60 x 130 x 150	**1222220000**
Electronic fuses					
WGS 24VDC 0.5...5A	0.5...5 A adjustable	24		22.5 x 92.4 x 72	**8710270000**
WGS 24VDC 1.6A	1.6 A	24		22.5 x 92.4 x 72	**8618890000**
WGS 24VDC 3.15A	3.15 A	24		22.5 x 92.4 x 72	**8618910000**
WGS 24Vdc 6.3A	6.3 A	24		22.5 x 92.4 x 72	**8618930000**
WGS 24Vdc 8.0A	8 A	24		22.5 x 92.4 x 72	**8618940000**

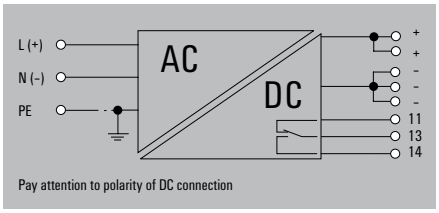
SEMIF47 Cl. I Div. 2

PROmax

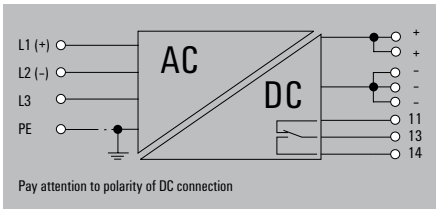
The robust power supply for demanding applications

- 5V, 12V, 24V, 48Vdc outputs
- Models for 1, 2, or 3 phase operation
- Side by side mounting
- AC input to 277VAC, and compliant to SEMI F47
- Generous overload parameters to 300%
- Adjustable voltage output
- Parallel connection to 5 units
- Integrated DPDT status relay.
- -25°C to 70°C operation
- Efficiency >90%

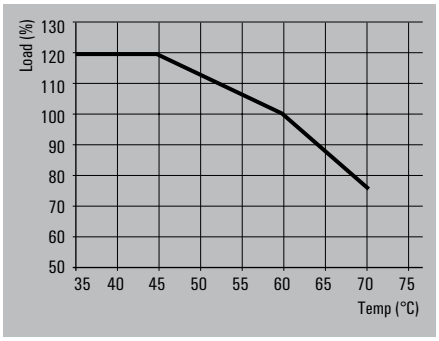
Single phase connection



Three phase connection



Percentage output versus temperature



Power boost: 120% (1 min), 150% (4s)
Pulsed current: 300% (2ms)

Product name	Input AC (V)	Input DC (V)	Output DC (V)	Output current (A)	Rated output power (W)	Output power boost (60 s)	Order number
Single-phase							
PRO MAX 72W 24V 3A	85...277	80...370	24	3	72	3.6 A (1 min) 4.5 A (4 s)	**1478100000**
PRO MAX 120W 24V 5A	85...277	80...370	24	5	120	6 A (1 min) 7.5 A (4 s)	**1478110000**
PRO MAX 180W 24V 7.5A	85...277	80...370	24	7.5	180	9 A (1 min) 11.25 A (4 s)	**1478120000**
PRO MAX 240W 24V 10A	85...277	80...370	24	10	240	12 A (1 min) 15 A (4 s)	**1478130000**
PRO MAX 480W 24V 20A	85...277	80...370	24	20	480	24 A (1 min) 30 A (4 s)	**1478140000**
PRO MAX 960W 24V 40A	85...277	80...370	24	40	960	48 A (1 min) 60 A (4 s)	**1478150000**
PRO MAX 70W 5V 14A	85...277	80...370	5	14	70	16.8 A (1 min) 21 A (4 s)	**1478210000**
PRO MAX 72W 12V 6A	85...277	80...370	12	6	72	7.2 A (1 min) 9 A (4 s)	**1478220000**
PRO MAX 120W 12V 10A	85...277	80...370	12	10	120	12 A (1 min) 15 A (4 s)	**1478230000**
PRO MAX 240W 48V 5A	85...277	80...370	48	5	240	5 A (1 min) 7.5 A (4 s)	**1478240000**
PRO MAX 480W 48V 10A	85...277	80...370	48	10	480	12 A (1 min) 15 A (4 s)	**1478250000**
PRO MAX 960W 48V 20A	85...277	80...370	48	20	960	24 A (1 min) 30 A (4 s)	**1478270000**
2/3 phase							
PRO MAX3 120W 24V 5A	3 x 320...3 x 575 2 x 360...2 x 575	450...800	24	5	120	6 A (1 min) 7.5 A (4 s)	**1478170000**
PRO MAX3 240W 24V 10A	3 x 320...3 x 575 2 x 360...2 x 575	450...800	24	10	240	12 A (1 min) 15 A (4 s)	**1478180000**
PRO MAX3 480W 24V 20A	3 x 320...3 x 575 2 x 360...2 x 575	450...800	24	20	480	24 A (1 min) 30 A (4 s)	**1478190000**
PRO MAX3 960W 24V 40A	3 x 320...3 x 575 2 x 360...2 x 575	450...800	24	40	960	48 A (1 min) 60 A (4 s)	**1478200000**

Power supplies expansion modules

Product name	Output current (A)	Output DC (V)	Input DC (V)	Input current (A)	Dimensions H x W x D mm	Order number
CP M DM20	0-24	U_{in}-0,7	18...30	2 x 10 A or 1 x 20 A (redundancy)	130 x 34 x 150	**1222210000**
CP M DM40	0-48	U_{in}-0,7	18...30	2 x 20 A or 1 x 40 A (redundancy)	130 x 60 x 150	**1222220000**
CPM CAP	150	18...30	18...30		130 x 34 x 150	**1222240010**

Switchmode power supplies

Buffer module

- Maintenance-free UPS on capacitor basis with a capacity to support 20 A / 260 ms, 1A for 6s
- Parallel connection to increase the output current or support time.
- Status notification via LED digital, and relay contact.

DC UPS control unit

- Two 24 V models in 10 A/20 A and 40 A output
- Temperature-compensated charging feature for long battery life.
- Integrated battery diagnostics including continuous availability test.
- Status relays and additional transistor outputs for remote monitoring.
- Convenient LED displays for easy error analysis.
- Interlock for easy system maintenance

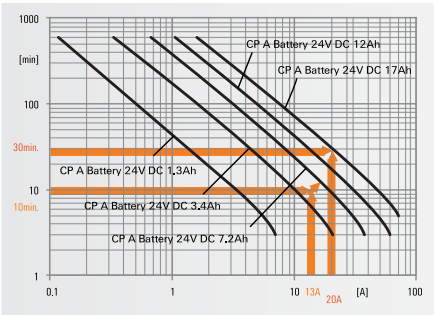
Buffer module for short term interruptions

DC UPS control unit

Product name	Input DC (V)	Output DC (V)	Input DC (A)	Output DC (A)	Mounting	Dimensions H x W x D mm	Order number
Buffer module							
CP DC BUFFER 24V 20A	22.5...30	24 V	≤ 27 A	20 A	DIN Rail	130 x 66 x150	**1370050010**
DC UPS control unit							
CP DC UPS 24 V 20 A/10 A	20...30	VO=Vin-0.2V	≤ 27 A	20/10 A	DIN Rail	130 x 66 x150	**1370050010**
CP DC UPS 24 V 40 A	20...30	VO=Vin-0.2V	≤ 51 A	40 A	DIN Rail	130 x 66 x150	**1370040010**

UPS battery modules

- Maintenence-free VRLA AGM lead-acid batteries from 1.3 Ah to 17 Ah.
- Integrated temperature sensor for optimal battery charging.
- Integrated fuse for reliable protection.
- Capacity up to 40 A / 30 min or 1 A / 30 hrs.
- Robust metal housing for wall mounting.
- Pluggable connections



UPS battery modules

Product name	Capacity (Ah)	Fuse	Mounting	Dimensions H x W x D mm	Order number
CP A BATTERY 24V DC 1.3 Ah	1.3	15 A	Din rail or wall-mounted	144 x 108 x 126	**1406930000**
CP A BATTERY 24V DC 3.4 Ah	3.4	25 A	Din rail or wall-mounted	155 x 162 x 126	**1251070000**
CP A BATTERY 24V DC 7.2 Ah	7.2	2 x 25 A	wall-mounted	155 x 229 x 126	**1251080000**
CP A BATTERY 24V DC 12 Ah	12	2 x 25 A	wall-mounted	155 x 229 x 126	**1251090000**
CP A BATTERY 24V DC 17 Ah	17	2 x 25 A	wall-mounted	178 x 232 x 160	**1251110000**

DC/DC converter

Isolate and stabilise 24V DC systems

- Overvoltage category III
- Class III protection
- Status of relay contact
- DC OK transistor output

Capacity module

- Pulse triggering for cable circuit breakers
- DC-compatible circuit breakers. Siemens 5SY series
- Flexible to use close to mcb's
- -25°C to 70°C operation

DC/DC converter

Capacity module

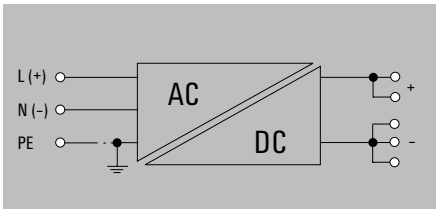
Product name	Output current (A)	Output DC (V)	Input DC (V)	Adjustment range of output voltage DC (V)	Dimensions H x W x D mm	Order number
DC/DC converter						
CP DCDC 250W 24V 10A	10	24	18...31.2	22.5...29.5	130 x 60 x 150	**1313320010**
Capacity module						
CP M CAP	40mA	24	18...30	-	130 x 34 x 150	**1222240010**

PRO-H

The everlasting supply

- MTBF 0.9M to 1.8 hours
- 12V, 24V, 48V DC outputs
- Models for 1, or 2 phase operation
- Parallel connection with redundancy module
- Active redundancy with 50% current sharing
- Adjustable voltage output
- SPDT status relay plus digital out
- -25°C to 70°C operation

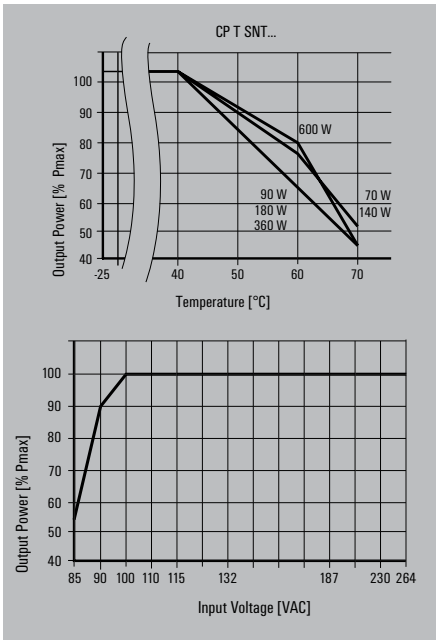
Single phase connection



Max. limiting average on state current [A]

Type\Temp.	40 °C	50 °C	60 °C	70 °C
1 ph 12 V / 6 A	6.0	5.7	5.4	4.5
1 ph 12 V / 12 A	12.0	9.5	7.0	3.7
1 ph 24 V / 3.8 A	3.8	3.1	2.5	1.7
1 ph 24 V / 7.5 A	7.5	6.3	5.0	3.3
1 ph 24 V / 15 A	15.0	12.5	10.0	6.7
1 ph 24 V / 25 A	25.0	22.5	20.0	13.3
1 ph 36 V / 16.5 A	16.5	15.0	13.3	9.0
1 ph 48 V / 2 A	2.0	1.6	1.3	0.8
1 ph 48 V / 4 A	4.0	3.3	2.5	1.7
1 ph 48 V / 7.5 A	7.5	6.3	5.0	3.3
1 ph 48 V / 12.5 A	12.5	11.3	10.0	7.5
1-2 ph 24 V / 7.5 A	7.5	6.3	5.0	3.3
1-2 ph 24 V / 15 A	15.0	12.5	10.0	6.7
1-2 ph 24 V / 25 A	25.0	22.5	20.0	13.3

Derating curve



PRO-H

Product name	Input (V)	Output DC (V)	Output current (A)	Rated output power (W)	Dimensions H x W x D mm	Order number
CPT SNT						
CP T SNT 70W 12V 6A	85-132V AC / 187-264V AC	12	6	70	110 x 35 x 110	**1105430000**
CP T SNT 140W 12V 12A	85-132V AC / 187-264V AC	12	12	140	110 x 54 x 110	**1105440000**
CP T SNT 90W 24V 3.8A	85-132V AC / 187-264V AC	24	3.8	90	110 x 35 x 110	**1105790000**
CP T SNT 180W 24V 7.5A	85-132V AC / 187-264V AC	24	7.5	180	110 x 54 x 110	**1105810000**
CP T SNT 360W 24V 15A	85-132V AC / 187-264V AC	24	15	360	110 x 80 x 110	**1105820000**
CP T SNT 600W 24V 25A	85-132V AC / 1 87-264V AC	24	25	600	125 x 165 x 125	**1105840000**
CP T SNT 180W 48V 4A	85-132V AC / 187-264V AC	48	4	180	110 x 54 x 110	**1105850000**
CP T SNT 360W 48V 7.5A	85-132V AC / 187-264V AC	48	7.5	360	110 x 80 x 110	**1105860000**
CP T SNT 600W 48V 12.5A	85-132V AC / 187-264V AC	48	12.5	600	125 x 165 x 125	**1105870000**
CPT SNT2						
CP T SNT2 180 W 24 V 7.5 A	85-132V AC / 187-550V AC	24	7.5	180	110 x 54 x 110	**1194480000**
CP T SNT2 360 W 24 V 15 A	85-132V AC / 187-550V AC	24	15	360	125 x 80 x 125	**1194490000**
CP T SNT2 600 W 24 V 25 A	85-132V AC / 187-550V AC	24	25	600	125 x 190 x 125	**1194310000**

PRO-H active redundancy modules

Product name	Output current (A)	Output DC (V)	Input DC (V)	Input current (A)	Dimensions H x W x D mm	Order number
CP T RM 10	15A @ 40°C	24	2 x 24	15	110 x 35 x 110	**1105880000**
CP T RM 20	25A @ 40°C	24	2 x 24	25	110 x 54 x 110	**1105890000**

INSTAPOWER 1 phase 25...48W

- Wide range of adjustment & universal AC/DC inputs.
- Suitable for use as a DC/DC Converter.
- Ultra-compact only 70mm wide.
- Mounts on standard TS35 DIN rail.
- Local and International Approvals: CTick, CE, UL, CSA.

INSTAPOWER

Product name	Input (V)	Output DC (V)	Output current (A)	Rated output power (W)	Dimensions H x W x D mm	Order number
CP SNT 25W 5V 5A	85...264 V AC / 110...370 V DC	4...8	5	25	90.5 x 52 x 62.5	**8754960000**
CP SNT 48W 12V 4A	85...264 V AC / 110...370 V DC	9...15	4	48	90.5 x 52 x 62.5	**8754970000**
CP SNT 48W 24V 2A	85...264 V AC / 110...370 V DC	15...28	2	48	90.5 x 52 x 62.5	**8739140000**
CP SNT 48W 48V 1A	85...264 V AC / 110...370 V DC	46...55	1	48	90.5 x 52 x 62.5	**8879230000**

INSTAPOWER 1 phase 24W

- Thermal overload protection & automatic restart.
- High Efficiency & universal inputs.
- Compact design only 52mm wide.
- Mounts on standard TS35 DIN rail.
- Suitable for use as a DC/DC converter.
- Local and International Approvals: C Tick, CE, UL, CSA.
- Suitable for inductive loads

INSTAPOWER

Product name	Input (V)	Output DC (V)	Output current (A)	Rated output power (W)	Dimensions H x W x D mm	Order number
CP SNT 24W 5V 2A	85...265 V AC, 120...300 V DC	5	2	24	90.5 x 52 x 62.5	**9928890005**
CP SNT 24W 12V 1.5A	85...265 V AC, 120...300 V DC	12	1.5	24	90.5 x 52 x 62.5	**9928890012**
P SNT 24W 15V 1.5A	85...265 V AC, 120...300 V DC	15	1.5	24	90.5 x 52 x 62.5	**9928890015**
CP SNT 24W 24V 1A	85...265 V AC, 120...300 V DC	24	1	24	90.5 x 52 x 62.5	**9928890024**
CP SNT 24W 28V 1A	85...265 V AC, 120...300 V DC	28	1	24	90.5 x 52 x 62.5	**9928890028**

Single-phase plate-mouted PRO-E switchedmode power supply

- Stable DC output voltage.
- Wide AC and DC input voltage range.
- Adjustable output voltage.
- Wide operating temperature range: –20 °C up to +70 °C
- Worldwide approvals: CE, UL, TÜV, CCC, CB.
- Robust and stable housing.

PRO-E

Product name	Input (V)	Output DC (V)	Output current (A)	Rated output power (W)	Dimensions H x W x D mm	Order number
CP E SNT 25W						
CP E SNT 25W 5V 5A	85–264 VAC, 110–370 VDC	5	5	25	28 x 51 x 91	**1202640000**
CP E SNT 25W 12V 2.1A	85–264 VAC, 110–370 VDC	12	2.1	25	28 x 51 x 91	**1202630000**
CP E SNT 25W 24V 1.1A	85–264 VAC, 110–370 VDC	24	1.1	25	28 x 51 x 91	**1202620000**
CP E SNT 25W 48V 0.57A	85–264 VAC, 110–370 VDC	48	0.57	25	28 x 51 x 91	**1202610000**
CP E SNT 50W						
CP E SNT 50W 5V 10A	85–264 VAC, 110–370 VDC	5	10	50	35 x 100 x 105	**1202590000**
CP E SNT 50W 12V 4.2A	85–264 VAC, 110–370 VDC	12	4.2	50	35 x 100 x 105	**1202580000**
CP E SNT 50W 24V 2.2A	85–264 VAC, 110–370 VDC	24	2.2	50	35 x 100 x 105	**1202450000**
CP E SNT 50W 48V 1.1A	85–264 VAC, 110–370 VDC	48	1.1	50	35 x 100 x 105	**1202460000**
CP E SNT 75W						
CP E SNT 75W 5V 12A	5–264 VAC, 110–370 VDC	5	12	75	40 x 98.5 x 135	**1202470000**
CP E SNT 75W 12V 6A	5–264 VAC, 110–370 VDC	12	6	75	40 x 98.5 x 135	**1202480000**
CP E SNT 75W 24V 3.2A	5–264 VAC, 110–370 VDC	24	3.2	75	40 x 98.5 x 135	**1202490000**
CP E SNT 75W 48V 1.6A	5–264 VAC, 110–370 VDC	48	1.6	75	40 x 98.5 x 135	**1202510000**
CP E SNT 100W						
CP E SNT 100W 5V 16A	*88–132 VAC/176–264 VAC	5	16	100	40 x 97.5 x 164	**1165820000**
CP E SNT 100W 12V 8.5A	*88–132 VAC/176–264 VAC	12	8.5	100	40 x 97.5 x 164	**1165830000**
CP E SNT 100W 24V 4.5A	*88–132 VAC/176–264 VAC	24	4.5	100	40 x 97.5 x 164	**1165840000**
CP E SNT 100W 48V 2.3A	*88–132 VAC/176–264 VAC	48	2.3	100	40 x 97.5 x 164	**1165850000**
CP E SNT 150W						
CP E SNT 150W 12V 12.5A	*88–132 VAC/176–264 VAC	12	12.5	150	40 x 99 x 205	**1165870000**
CP E SNT 150W 24V 6.5A	*88–132 VAC/176–264 VAC	24	6.5	150	40 x 99 x 205	**1165880000**
CP E SNT 150W 48V 3.3A	*88–132 VAC/176–264 VAC	48	3.3	150	40 x 99 x 205	**1165890000**
CP E SNT 250W						
CP E SNT 250W 12V 21A	*88–132 VAC/176–264 VAC	12	21	250	230 x 115 x 49.5	**1202520000**
CP E SNT 250W 24V 10.5A	*88–132 VAC/176–264 VAC	24	10.5	250	230 x 115 x 49.5	**1202530000**
CP E SNT 250W 48V 5.2A	*88–132 VAC/176–264 VAC	48	5.2	250	230 x 115 x 49.5	**1202540000**
CP E SNT 350W						
CP E SNT 350W 24V 14.6A	85–264 VAC, 110–370 VDC	24	14.6	350	230 x 115 x 49.5	**1202550000**
CP E SNT 350W 48V 7.3A	85–264 VAC, 110–370 VDC	48	7.3	350	230 x 115 x 49.5	**1202560000**

*optional, 250–370 VDC - 210 VDC input, 80% rated current output

Weidmüller

Industrial Ethernet

All the right products for the best solution

Ethernet is at the heart of all new installations and upgrades for automation systems. Weidmüller's range of Industrial Ethernet, provides the complete solution from the field box to the Internet. Our range not only includes routers, managed & unmanaged switches, converters and wireless products, but also includes IP20, and IP67 plugs, cables, and patching solutions made for hard wearing industrial applications. Our new door mount programming panel FrontCom® Vario enables access to power and communication ports without accessing dangerous electrical components by keeping cabinets closed.

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Industrial Ethernet

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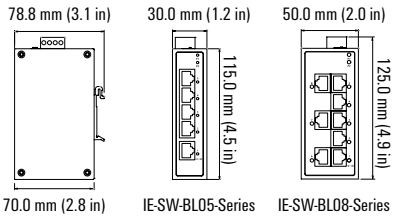
Unmanaged Fast Ethernet Switches - Basic Line

- 10/100BaseT(X) (RJ45 connector), 100BaseFX (multi/singlemode, SC or ST connector)
- Redundant dual 12/24/48 V DC, 18 to 30 V AC power inputs
- IP 30 aluminum housing
- Rugged hardware design well suited for hazardous locations (Class I Div. 2 /ATEX) and maritime environments (DNV/GL)
- –40 °C to 75 °C operating temperature range (T models)

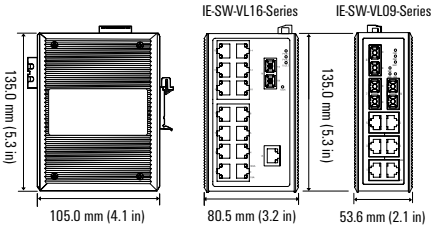


Basic Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-BL05-5TX	5 * RJ45	-10 to +60 °C	1240840000
IE-SW-BL05T-5TX		- 40 to +75 °C	1240850000
IE-SW-BL05-4TX-1SC	4 * RJ45, 1 * SC-Multimode	-10 to +60 °C	1240890000
IE-SW-BL05T-4TX-1SC		- 40 to +75 °C	1286550000
IE-SW-BL05-4TX-1ST	4 * RJ45, 1 * ST-Multimode	-10 to +60 °C	1240880000
IE-SW-BL05T-4TX-1ST		- 40 to +75 °C	1286540000
IE-SW-BL05-4TX-1SCS	4 * RJ45, 1 * SC-Singlemode	-10 to +60 °C	1240870000
IE-SW-BL05T-4TX-1SCS		- 40 to +75 °C	1286530000
IE-SW-BL08-8TX	8 * RJ45	-10 to +60 °C	1240900000
IE-SW-BL08T-8TX		- 40 to +75 °C	1286560000
IE-SW-BL08-6TX-2SC	6 * RJ45, 2 * SC-Multimode	-10 to +60 °C	1240910000
IE-SW-BL08T-6TX-2SC		- 40 to +75 °C	1240920000
IE-SW-BL08-6TX-2ST	6 * RJ45, 2 * ST-Multimode	-10 to +60 °C	1240930000
IE-SW-BL08T-6TX-2ST		- 40 to +75 °C	1286570000
IE-SW-BL08-6TX-2SCS	6 * RJ45, 2 * SC-Singlemode	-10 to +60 °C	1412110000
IE-SW-BL08T-6TX-2SCS		- 40 to +75 °C	1412120000
IE-SW-BL08-7TX-1SC	7 * RJ45, 1 * SC-Multimode	-10 to +60 °C	1412070000
IE-SW-BL08T-7TX-1SC		- 40 to +75 °C	1412080000
IE-SW-BL08-7TX-1ST	7 * RJ45, 1 * ST-Multimode	-10 to +60 °C	1412090000
IE-SW-BL08T-7TX-1ST		- 40 to +75 °C	1412100000
IE-SW-BL08-7TX-1SCS	7 * RJ45, 1 * SC-Singlemode	-10 to +60 °C	1240950000
IE-SW-BL08T-7TX-1SCS		- 40 to +75 °C	1286580000
Accessories			
RM-KIT	19" Rack Mounting Kit		1241440000
IE-CFK-05	Cable fixing kit		1339610000

Unmanaged Fast Ethernet Switches - Value Line

- Redundant dual 24 V DC power inputs
- Relay output warning for power failure and port break alarm
- Broadcast storm protection
- Transparent transmission of VLAN tagged packets
- –40 °C to 75 °C operating temperature range (T models)

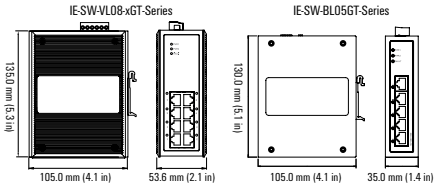


Value Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-VL16-16TX	16 * RJ45	0 to +60 °C	1241000000
IE-SW-VL16T-16TX		- 40 to +75 °C	1286590000
IE-SW-VL09T-6TX-3SC	6 * RJ45, 3 * SC-Multimode	- 40 to +75 °C	1240980000
IE-SW-VL16-14TX-2SC	14 * RJ45, 2 * SC-Multimode	0 to +60 °C	1241030000
IE-SW-VL16T-14TX-2SC		- 40 to +75 °C	1286610000
IE-SW-VL16-14TX-2ST	14 * RJ45, 2 * ST-Multimode	0 to +60 °C	1241050000
IE-SW-VL16T-14TX-2ST		- 40 to +75 °C	1286620000
Accessories			
RM-KIT	19" Rack Mounting Kit		1241440000

Unmanaged Switches Gigabit Ethernet – Basic/Value Line

- Full Gigabit Ethernet on all ports
- Variants with slots for Gigabit SFP transceivers
- Redundant dual 12/24/48 V DC power inputs
- Relay output warning for power failure and port break alarm
- Broadcast storm protection
- Supports jumbo frame transmission (up to 9.6 KB)

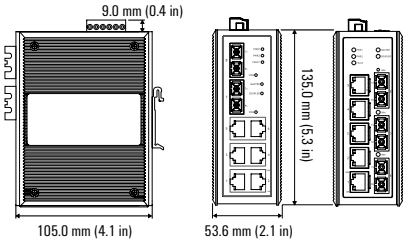


Basic/Value Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-BL05-5GT	5 * RJ45 10/100/1000BaseT(X)	0 to +60 °C	1241250000
IE-SW-BL05T-5GT		- 40 to +75 °C	1286850000
IE-SW-VL08-8GT	8 * RJ45 10/100/1000BaseT(X)	0 to +60 °C	1241270000
IE-SW-VL08T-8GT		- 40 to +75 °C	1286860000
IE-SW-VL08-6GT-2GS	6 * RJ45 10/100/1000BaseT(X), 2 Combo Ports (10/100/1000 BaseT(X) or 100/1000BaseSFP)	0 to +60 °C	1241280000
IE-SW-VL08T-6GT-2GS		- 40 to +75 °C	1286870000
Accessories			
RM-KIT	19" Rack Mounting Kit		1241440000

Managed Switches Fast Ethernet - Value Line

- Turbo Ring and Turbo Chain with fast recovery time (under 20 ms)
- IGMP snooping, QoS, port- and tag-based VLAN
- Configurable error messages via SNMP trap, e-mail or relay output
- User-friendly, web-based configuration and management
- External Backup and Restoring Module for easy system reconfiguration (optional accessory)
- **Input Voltage: 24 V DC (12 to 45 V DC), redundant dual inputs**

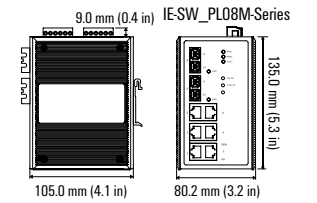


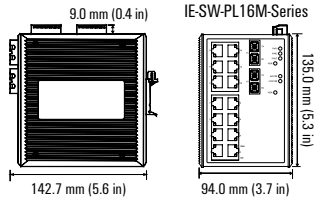
Value Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-VL08MT-8TX	8 * RJ45	- 40 to +75 °C	1240940000
IE-SW-VL08MT-5TX-3SC	5 * RJ45, 3 * SC-Multimode	- 40 to +75 °C	1240970000
IE-SW-VL08MT-5TX-1SC-2SCS	1 * SC-Multimode, 2 * SC-Singlemode	- 40 to +75 °C	1345240000
IE-SW-VL08MT-6TX-2ST	6 * RJ45, 2 * ST-Multimode	- 40 to +75 °C	1240990000
IE-SW-VL08MT-6TX-2SC	6 * RJ45, 2 * SC-Multimode	- 40 to +75 °C	1344770000
IE-SW-VL08MT-6TX-2SCS	6 * RJ45, 2 * SC-Singlemode	- 40 to +75 °C	1241020000
IE-SW-VL05M-5TX	5 * RJ45	0 °C...60 °C	1504280000
IE-SW-VL05MT-5TX		- 40 to +75 °C	1504310000
IE-SW-VL05M-3TX-2SC	3 * RJ45, 2 * SC Multimode	0 °C...60 °C	1504330000
IE-SW-VL05MT-3TX-2SC		- 40 to +75 °C	1504350000
IE-SW-VL05M-3TX-2ST	3 * RJ45, 2 * ST Multimode	0 °C...60 °C	1504370000
IE-SW-VL05MT-3TX-2ST		- 40 to +75 °C	1504390000

Managed Fast Ethernet Switches – Premium Line

- Plug-n-play Turbo Ring and Turbo Chain (recovery time < 20 ms),
  RSTP/STP (IEEE 802.1w/D) for Ethernet redundancy
- IEEE 1588 PTP, Modbus/TCP, LLDP, SNMP Inform, QoS, IGMP snooping, VLAN, IEEE 802.1X, HTTPS, SNMPv3, and SSH supported
- EBR-Module (External Backup and Restore Module) for system configuration backup (optional accessory)
- **Input Voltage: 24 V DC (12 to 45 V DC), redundant dual inputs**



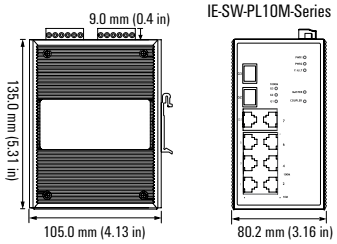


Premium Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-PL08M-8TX	8 * RJ45	0 to +60 °C	1241040000
IE-SW-PL08MT-8TX		- 40 to +75 °C	1286780000
IE-SW-PL08M-6TX-2SC	6 * RJ45, 2 * SC-Multimode	0 to +60 °C	1241070000
IE-SW-PL08MT-6TX-2SC		- 40 to +75 °C	1286790000
IE-SW-PL08M-6TX-2ST	6 * RJ45, 2 * ST-Multimode	0 to +60 °C	1241080000
IE-SW-PL08MT-6TX-2ST		- 40 to +75 °C	1286800000
IE-SW-PL08M-6TX-2SCS	6 * RJ45, 2 * SC-Singlemode	0 to +60 °C	1241090000
IE-SW-PL08MT-6TX-2SCS		- 40 to +75 °C	1286810000
IE-SW-PL16M-16TX	16 * RJ45	0 to +60 °C	1241100000
IE-SW-PL16MT-16TX		- 40 to +75 °C	1286820000
IE-SW-PL16M-14TX-2SC	14 * RJ45, 2 * SC-Multimode	0 to +60 °C	1241120000
IE-SW-PL16MT-14TX-2SC		- 40 to +75 °C	1286830000
IE-SW-PL16M-14TX-2ST	14 * RJ45, 2 * ST-Multimode	0 to +60 °C	1241130000
IE-SW-PL16MT-14TX-2ST		- 40 to +75 °C	286840000
Accessories			
EBR-Module RS232	External Backup and Restore Module		1241430000
RM-KIT	19" Rack Mounting Kit		1241440000

Managed Gigabit Switches – Premium Line

- 2 Gigabit Ethernet ports for redundant ring and 1 Gigabit Ethernet port for uplink solution
- Turbo Ring, Turbo Chain, and RSTP/STP for network redundancy
- EEE 1588 PTP, Modbus/TCP, LLDP, SNMP Inform, QoS, IGMP snooping,
  VLAN, IEEE 802.1X, HTTPS, SNMPv3, and SSH supported
- EBR-Module - External Backup and Restoring Module for easy system reconfiguration (optional accessory)



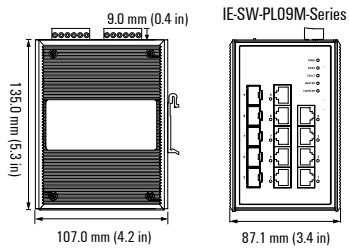
Premium Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-PL10M-3GT-7TX	3 * RJ45 10/100/1000BaseT(X), 7 * RJ45 10/100BaseT(X)	0 to +60 °C	1241290000
IE-SW-PL10MT-3GT-7TX		- 40 to +75 °C	1286930000
IE-SW-PL10M-1GT-2GS-7TX	1 * RJ45 10/100/1000BaseT(X), 2 * Slots 1000BaseSFP, 7 * RJ45 10/100BaseT(X)	0 to +60 °C	1241300000
IE-SW-PL10MT-1GT-2GS-7TX		- 40 to +75 °C	1286940000
IE-SW-PL18M-2GC-16TX	16 * RJ45 10/100BaseT(X), 2 * Combo-Ports[1]	0 to +60 °C	1241320000
IE-SW-PL18MT-2GC-16TX		- 40 to +75 °C	1286970000
IE-SW-PL18M-2GC14TX2SC	14 * RJ45 10/100BaseT(X), 2 * SC-Multimode 100FX, 2 * Combo-Ports[1]	0 to +60 °C	1241330000
IE-SW-PL18MT-2GC14TX2SC		- 40 to +75 °C	1286990000
IE-SW-PL18M-2GC14TX2ST	14 * RJ45 10/100BaseT(X), 2 * ST-Multimode 100FX, 2 * Combo-Ports[1]	0 to +60 °C	1241340000
IE-SW-PL18MT-2GC14TX2ST		- 40 to +75 °C	1287000000
IE-SW-PL18M-2GC14TX2SCS	14 * RJ45 10/100BaseT(X), 2 * SC-Singlemode 100FX, 2 * Combo-Ports[1]	0 to +60 °C	1241350000
IE-SW-PL18MT-2GC14TX2SCS		- 40 to +75 °C	1287010000
Accessories			
EBR-Modul RS232	External Backup and Restore Module		1241430000
RM-KIT	19" Rack Mounting Kit		1241440000

Note: The IE-SW-PL10M 1GT-2GS-7TX supports up to 2 1000Base SFP slots. Corresponding SFP modules for Gigabit Ethernet
[1] (10/100/1000BaseT(X) or 100/1000BaseSFP)

Managed Full Gigabit Ethernet Switches – Premium Line

- 4 10/100/1000BaseT(X) ports plus 5 combo (10/100/1000BaseT(X) or 100/1000BaseSFP slot) Gigabit ports
- Turbo Ring, Turbo Chain, and RSTP/STP for network redundancy
- IEEE 1588 PTP, Modbus/TCP, LLDP, SNMP Inform, QoS, IGMP snooping,
  VLAN, IEEE 802.1X, HTTPS, SNMPv3, and SSH supported
- EBR-Module - External Backup and Restoring Module for easy system reconfiguration (optional accessory)
- **Input Voltage: 12/24/48 V DC, redundant dual inputs**



Premium Line

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-PL09M-5GC-4GT	4 * RJ45 10/100/1000BaseT(X), 5 * Combo-Ports1	0 to +60 °C	1241370000
IE-SW-PL09MT-5GC-4GT		- 40 to +75 °C	1287020000
Accessories			
EBR-Module RS232	External Backup and Restore Module		1241430000
RM-KIT	19" Rack Mounting Kit		1241440000

Note: The IE-SW-PL09M series supports up to 5 100/1000Base SFP slots. Corresponding SFP modules for Fast/Gigabit Ethernet.
[1] (10/100/1000BaseT(X) or 100/1000BaseSFP)

Fast Ethernet/Gigabit Ethernet

- Compliant with IEEE 802.3z
- Differential LVPECL inputs and outputs
- TTL signal detect indicator
- Hot pluggable LC duplex connector
- Class 1 laser product; complies with EN60825-1
- **Connectors: Duplex LC Connector or Simplex LC**

SFP modules

Gigabit Ethernet **Fast Ethernet**

Model Type	SFP Variants	Operating Temperature	Order number
Gigabit Ethernet			
IE-SFP-1GSXLC	Gigabit-Ethernet, Multimode, LC Connector, 500 m	0 to +60 °C	**1241490000**
IE-SFP-1GSXLC-T		- 20 to +75 °C	**1286700000**
IE-SFP-1GLSXLC	Gigabit-Ethernet, Multimode, LC Connector, 2 km	0 to +60 °C	**1241500000**
IE-SFP-1GLSXLC-T		- 40 to 85 °C	**1286710000**
IE-SFP-1GLXLC	Gigabit-Ethernet, Singlemode, LC Connector, 10 km	0 to +60 °C	**1241510000**
IE-SFP-1GLXLC-T		- 40 to 85 °C	**1286720000**
IE-SFP-1GLHXLC	Gigabit-Ethernet, Singlemode, LC Connector, 40 km	0 to +60 °C	**1241520000**
IE-SFP-1GLHXLC-T		- 40 to 85 °C	**1286730000**
IE-SFP-1G10ALC	WDM-Type, Gigabit Ethernet, LC Connector, 10 km, Tx 1310 nm, Rx 1550 nm, must be paired with IE-SFP-1G10BLC	0 to +60 °C	**1241530000**
IE-SFP-1G10ALC-T		- 40 to 85 °C	**1286740000**
IE-SFP-1G10BLC	WDM-Type, Gigabit Ethernet, LC Connector, 10 km, Tx 1550 nm, Rx 1310 nm, must be paired with IE-SFP-1G10ALC	0 to +60 °C	**1241540000**
IE-SFP-1G10BLC-T		- 40 to 85 °C	**1286750000**
IE-SFP-1G20ALC	WDM-Type, Gigabit Ethernet, LC Connector, 20 km, Tx 1310 nm, Rx 1550 nm, must be paired with IE-SFP-1G20BLC	0 to +60 °C	**1241550000**
IE-SFP-1G20ALC-T		- 40 to 85 °C	**1286760000**
IE-SFP-1G20BLC	WDM-Type, Gigabit Ethernet, LC Connector, 20 km, Tx 1550 nm, Rx 1310 nm, must be paired with IE-SFP-1G20ALC	0 to +60 °C	**1241570000**
IE-SFP-1G20BLC-T		- 40 to 85 °C	**1286770000**
Fast Ethernet			
IE-SFP-1FEMLC-T	Fast Ethernet, Multimode, LC Connector, 4 km	- 40 to 85 °C	**1241450000**
IE-SFP-1FESLC-T	Fast Ethernet, Singlemode, LC Connector, 40 km	- 40 to 85 °C	**1241470000**
IE-SFP-1FELLC-T	Fast Ethernet, Singlemode, LC Connector, 80 km	- 40 to 85 °C	**1241480000**

External Backup and Restore Module for System Configuration

- Reduce system downtime by simple reconfiguration in case of replacing devices
- Plug-n-Play system backup and restoration
- Compact, rugged, reliable design
- Can be used for all Weidmüller managed switches and WLAN components

Kit for 19" rack-mounting

- For mounting DIN-rail based devices in 19" racks

EBR modules

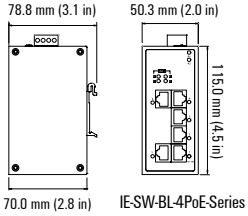
RM KIT

Model Type	Analog Inputs	Order number
EBR-MODULE RS232	External Backup and Restore Module	**1241430000**

Model Type	Analog Inputs	Order number
RM-KIT	19" Rack Mounting Kit	**1241440000**

6-port IEEE 802.3af/at PoE+ unmanaged Ethernet Switch – Basic Line

- 4 IEEE 802.3af/at compliant PoE ports
- Up to 30 watts per PoE port
- 24/48 V DC redundant wide-range power supply
- Integrated DC/DC converter can supply 48 V-PoE devices across the entire input voltage range of 24 to 48 V DC
- Intelligent power consumption detection and classification
- Redundant dual V DC power inputs
- Broadcast Storm Protection
- **Input Voltage: 24/48 (20 to 60 V) V DC, 2 redundant inputs**

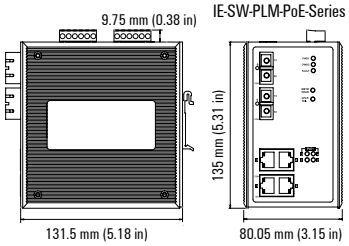


Basic Line unmanaged PoE+

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-BL06-2TX-4POE	2 * RJ45 10/100 BaseT(X), 4 * RJ4510/100 BaseT(X) PoE+	0 to +60 °C	1241380000
IE-SW-BL06T-2TX-4POE		-40 to +75 °C	1286920000
IE-SW-BL06-1TX-4POE-1SC	1 * RJ45 10/100BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, 1 * SC Multi-mode	0 to +60 °C	1504250000
IE-SW-BL06T-1TX-4POE-1SC		-40 to +75 °C	1504260000
IE-SW-BL06-1TX-4POE-1ST	1 * RJ45 10/100BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+, 1 * ST Multi-mode	0 to +60 °C	1504270000
IE-SW-BL06T-1TX-4POE-1ST		-40 to +75 °C	1504290000
IE-SW-BL06-4POE-2SC	4 * RJ45 10/100 BaseT(X) PoE+, 2 * SC Multi-mode	0 to +60 °C	1504210000
IE-SW-BL06T-4POE-2SC		-40 to +75 °C	1504220000
IE-SW-BL06-4POE-2ST	4 * RJ45 10/100 BaseT(X) PoE+, 2 * ST Multi-mode	0 to +60 °C	1504230000
IE-SW-BL06T-4POE-2ST		-40 to +75 °C	1504240000
IE-SW-BL05-1GT-4GTPOE	4 * RJ45 10/100/1000BaseT(X) PoE+, 1 * RJ45 10/100/1000BaseT(X)	0 to +60 °C	1504320000
IE-SW-BL05T-1GT-4GTPOE		-40 to +75 °C	1504340000
IE-SW-BL05-1GS-4GTPOE	4 * RJ45 10/100/1000BaseT(X) PoE+, 1* Slot 1000BaseSFP	0 to +60 °C	1504360000
IE-SW-BL05T-1GS-4GTPOE		-40 to +75 °C	1504380000
Accessories			
RM-KIT	19" Rack Mounting Kit		1241440000
IE-CFK-05	Cable fixing kit		1339610000

6-port IEEE 802.3af/at PoE+ managed Ethernet Switch – Premium Line

- 4 IEEE 802.3af/at compliant PoE ports
- Up to 30 watts per PoE port
- 24/48 V DC redundant wide-range power supply
- Integrated DC/DC converter can supply 48 V-PoE devices across the entire input voltage range of 24 to 48 V DC
- Extended PoE management functions, including PoE error checking or configuring the operational times of connected PoE devices
- **Input Voltage: 24/48 (20 to 60 V) V DC**



Premium Line managed PoE+

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-PL06M-2TX-4PoE	2 * RJ45 10/100 BaseT(X), 4 * RJ45 10/100 BaseT(X) PoE+	0 to +60 °C	1241390000
IE-SW-PL06MT-2TX-4PoE		-40 to +75 °C	1286910000
Accessories			
RM-KIT	19" Rack Mounting Kit		1241440000
IE-CFK-05	Cable fixing kit		1339610000

Gigabit Industrial Security Router

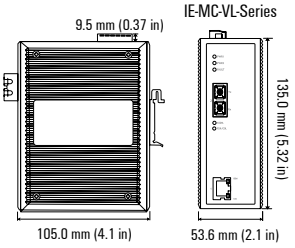
- 2 Gigabit ports (LAN/WAN)
- Integrated firewall
- NAT masquerading, 1:1 network mapping and port forwarding
- Remote access via VPN (OpenVPN, IPsec, L2TP)
- Key switch function for activation/deactivation of WAN/VPN connection
- Variant with integrated 3G/UMTS modem for rapid, Internet-based wireless access
- Back-up and recovery of device configuration using SIM card

Industrial Security Router

Model Type	Description	Operating Temperature	Order number
IE-SR-2GT-LAN	LAN/WAN router	- 20 to +70 °C	**1345270000**
IE-SR-2GT-UMTS/3G	LAN/WAN router with integrated UMTS/3G modem	- 20 to +70 °C	**1345250000**
IE-SR-2GT-LAN-FN	LAN/WAN router without VPN	- 20 to +70 °C	**1489940000**

Industrial Media Converter (10/100BaseT (X) to 100BaseFX) - Value Line

- 10/100BaseT(X) auto-negotiation and auto-MDI/MDI-X
- Link Fault Pass-Through (LFP)
- Power failure, port break alarm by relay output
- Redundant power inputs
- Designed for hazardous locations (Class 1 Div. 2/Zone 2)
- **Input Voltage: 24 V DC (12 to 48 V DC), redundant inputs**



Media converter

Model Type	Port Variants	Operating Temperature	Distance	Order number
IE-MC-VL-1TX-1SC	1 * RJ45, 1 * SC-Multimode	0 to +60 °C	5 km	**1241400000**
IE-MC-VLT-1TX-1SC		- 40 to +75 °C	5 km	**1286880000**
IE-MC-VL-1TX-1ST	1 * RJ45, 1 * ST-Multimode	0 to +60 °C	5 km	**1241410000**
IE-MC-VLT-1TX-1ST		- 40 to +75 °C	5 km	**1286890000**
IE-MC-VL-1TX-1SCS	1 * RJ45, 1 * SC-Singlemode	0 to +60 °C	40 km	**1241420000**
IE-MC-VLT-1TX-1SCS		- 40 to +75 °C	40 km	**1286900000**

IP67 Unmanaged switch

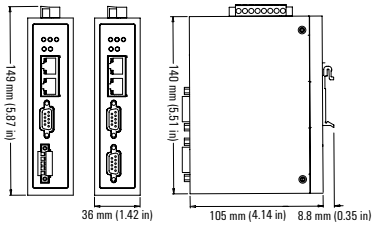
- M12 connection system and IP 67 protected housing
- 10/100BaseT(X), 4-pin M12 (D-coded)
- Full/half-duplex mode and auto MDI/MDI-X
- Input voltage 12 to 45 VDC, 18 to 30 VAC

IP67 Unmanaged switch

Model Type	Port Variants	Operating Temperature	Order number
IE-SW-IP67-5M12	5 * M12 D-coded	- 25 °C...60 °C	**1241400000**
IE-SW-IP67T-5M12	5 * M12 D-coded	- 40 to +75 °C	**1504420000**

1 and 2- port Serial/Ethernet Converter for industrial automation

- High surge protection for the serial ports, LAN ports and power supply connection
- Rugged screw-type terminal blocks for power and serial connectors
- Cascading Ethernet ports for easy wiring
- Redundant DC power inputs
- Warning by relay output and email
- Low power consumption
- **Input Voltage: 12 to 48 V DC**

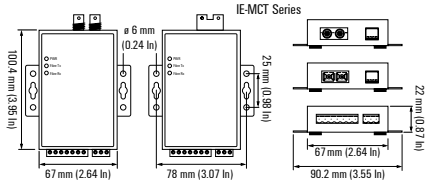


Serial/Ethernet converter

Model Type	Port Variants	Operating Temperature	Order number
IE-CS-2TX-1RS232/485	Two RJ45; One serial (RS232: Sub-DB9, RS422/485: terminal block)	0 to +60 °C	1242080000
IE-CST-2TX-1RS232/485		- 40 to +75 °C	1285830000
IE-CS-2TX-2RS232/485	Two RJ45; Two serial (RS232/422/485: Two SubDB9)	0 to +60 °C	1242090000
IE-CST-2TX-2RS232/485		- 40 to +75 °C	1285840000
Accessories			
RM-KIT	19" Rack Mounting Kit		1241440000

Serial/fibre-optic converter

- "Ring" and "point-to-point" modes of transmission
- Extension of RS 232/422/485 transmission to up to 5 km
- Supports baud rates of 50 bps to 921.6 Kbps
- Extended temperature range of -40 to 75 °C
- Compact design
- **Input Voltage: 12 to 48 V DC**



Serial/fibre-optic converter

Model Type	Port Variants	Operating Temperature	Order number
IE-MCT-1RS232/485-1SC	1 * Serial (RS232/422/485: terminal block), 1 * SC multimode	- 40 to +75 °C	1344760000
IE-MCT-1RS232/485-1ST	1 * Serial (RS232/422/485: terminal block), 1 * ST multimode	- 40 to +75 °C	1362950000

SL-COM 1/ SL-COM 2

- Single or Dual port serial to Ethernet conversion
- Supports RS232/RS485 and Ethernet Communication
- Serial Communication to 115.2kb/s
- Supports TCP Client Server or UDP tunnelling modes

Serial device servers

Model Type	Description	Ports RJ4510/100	Ports RS232	Ports RS485/422	Power Consumption (W)	Dimension H x W x D (mm)	Weight	Order number
SL-COM-1	Single serial port	1	1	1	750m W	101 x 22.5 x 120	0.12 kg	**7940086483**
SL-COM-2	Dual serial port	1	2	1	750m W	101 x 22.5 x 120	0.12 kg	**7940086484**

SL-MOD-GW

- Transparent conversion from Modus serial to Modbus TCP
- Supports RS232, RS422, or/RS485
- Serial communications to 115.2kb/s
- Supports Serial or TCP master

IE-GW-MB

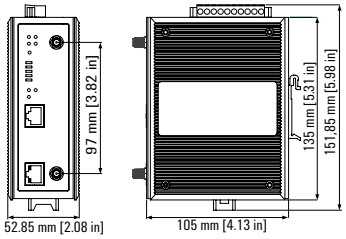
- Slave mode supports 16 TCP masters and up to 62 serial slaves simultaneously
- Master mode supports 32 TCP slaves simultaneously
- Integrated Modbus protocol analysis
- Redundant DC power supply inputs
- Cascaded Ethernet ports for easy cabling

Modbus gateways

Model Type	Description	Ports RJ4510/100	Ports RS232	Ports RS485/422	Power Consumption (W)	Dimension H x W x D (mm)	Order number
SL-MOD-GW	Single serial	1	1	1	750m W	101 x 22.5 x 120	**7940086485**
IE-GW-MB-2TX-1RS232/485	Single serial	2	1	1	550mW	124.5 x 29 x 89.2	**1504460000**

Industrial Wireless - Access point/bridge/client

- IEEE 802.11a/b/g compatible single radio module (2.4 GHz or 5 GHz band)
- Power input by redundant 24 V DC power inputs or Power-over-Ethernet
- Multi-SSID and VLAN support
- Turbo Roaming for seamless wireless connections
- Integrated DI/DO for on-site monitoring and warning
- QoS (WMM) support
- **Input Voltage: 12 to 48 V DC, redundant dual DC power inputs or 48 V DC**
  Power-over-Ethernet (IEEE 802.3af compliant)



Industrial wireless

Model Type	Port Variants	Operating Temperature	Order number
IE-WL-AP-BR-CL-ABG-EU	IEEE 802.11a/b/g Wireless AP/Bridge/Client	0 to +60 °C	1242100000
IE-WLT-AP-BR-CL-ABG-EU		- 40 to +75 °C	1286480000
Accessories			
EBR-Modul RS232	External Backup and Restore Module		1241430000
RM-KIT	19" Rack Mounting Kit		1241440000

Note: WLAN antennas and connection cable - page

WL-EM 900MHz FHSS Radio

- 20km line of site communications
- Supports RS232/RS485 and Ethernet communications
- Up to 11Mb/s Wireless data
- Serial communications to 115.2kb/s
- Supports Modbus and TCP/serial RTU conversion
- 128 bit AES (WPA2) Encryption & WEP security

WL-EM 900MHz

WL-EM-900 **WL-DG900-1 / WL-DG900-5**

Model Type	Ports RJ4510/100	Ports RS232	Ports RS485/422	Dimension H x W x D (mm)	Weight	Order number
WL-EM-900*	1	1	1	160 x 40 x 135	0.4 kg	7940033934
Antenna with cable and connector						
WL-DG900-1	Whip (150mm long) with 1m RG174 lead, SMA male connector, stud mount and R/A bracket 0dB gain					7940033945
WL-DG900-5	Whip (150mm long) with 5m RG174 lead, SMA male connector, stud mount and R/A bracket -2dB gain					7940033945

*Not licensed in NZ

WL-EM 2.4GHz FHSS Radio and WL-EM 5.8GHz FHSS Radio

- 5km line of site communications
- Supports RS232/RS485 and Ethernet communications
- 54Mb/s Wireless data (up to 108Mbits/sec with Turbo boost feature)
- Serial communications to 115.2kb/s
- Supports Modbus and TCP/serial RTU conversion
- 128 bit AES (WPA2) Encryption & WEP security
- Redundancy mesh network topology configuration

WL-EM FHSS Radio

WL-EM-240G / WL-EM 580 **WL-MD2400-EL**

Model Type	Ports RJ4510/100	Ports RS232	Ports RS485/422	Dimension H x W x D (mm)	Weight	Order number
WL-EM-240G	1	1	1	160 x 40 x 135	0.4 kg	7940085864
WL-EM-580	1	1	1	160 x 40 x 135	0.4 kg	7940085865
Antenna with fixed cable and connector						
WL-MD2400-EL	Dipole (230mm long) with 5m RG58 Cellfoil lead, SMA connector and stud mounting bracket 3dBi					7940033953

Wireless Expansion I/O Modules

- Expansion I/O for WL-EM Wireless Ethernet Modems
- Up to 16 Selectable I/O Per Module
- Up to 31 Units can be connected to modem RS485 Port
- Selectable Communications via Modbus RTU or ASCII Protocol
- Three I/O Versions available
- Easy to use windows configuration software
- Serial Port configurable up to 115.2kbp/s
- -40°C to +60°C Operating Temperature
- DIN Rail Mounting
- Digital inputs & outputscan be configured as discrete or pulse
- Analogue inputs can be 4 Floating or 8 Commoned
- Peer to Peer mode mapping of DI to DO & AI to AO
- Modules can be used stand-alone as conventional Modbus slaves to any Modbus master.

Wireless expansion I/O modules

Model Type	Digital Inputs	Digital Outputs	Analog Inputs	Analog Outputs	Pulse Inputs	Pulse Outputs	Order number
WL-IO-DIO	Up to 16	Up to 16	0	0	41Khz	815Khz	**7940033937**
WL-IO-DAI	Up to 8 voltage-free contacts	Up to 8 FET	4 "floating" / 8 commoned 0-20mA / 0-10V	0	0	815Khz	**7940033940**
WL-IO-DAO	Up to 8	Up to 8	0	8 Sink / Source 0-20mA / 0-10V	0	815Khz	**7940033941**

Wireless I/O Modules

- 900MHz FHSS Operation
- Typical line-of-sight range 3-20km
- Programmable for many links
- Licence Free Operation
- Uni-directional TX-RX
- Full data encryption over radio link
- DIN Rail Mount Housing
- -40°C to +60°C Operating Temperature

Wireless I/O Modules

WL-TX-900 / WL-RX-900 **WL-DG900-1 / WL-DG900-5**

Model Type	Description	Digital Inputs	Digital Outputs	Analog Inputs	Virtual Analogue Inputs	Order number
WL-TX-900[1]	Transmiter Module (AUS Only)	2 x Pulse or Status	1 x Local Set point 1 x Status	1 x 0-20 (4-20mA) 1 x Thermocouple	Battery Voltage Internal Temperature	**7940033933**
WL-RX-900[1]	Receiver Module (AUS Only)	-	3 x N/O Relay Contact	1 x 0-20 (4-20mA)	-	**7940033936**
WL-TXRX-900[1]	Matched Pair[2] (AUS Only)	-	-	-	-	**7940033935**
Antenna with fixed cable and connector						
WL-DG900-1	Whip (150mm long) with 1m RG174 lead, SMA male connector, stud mount and R/A bracket 0dB gain					**7940033945**
WL-DG900-5	Whip (150mm long) with 1m RG174 lead, SMA male connector, stud mount and R/A bracket -2dB gain					**7940033945**

* Note: Digital inputs can be either Pulse or Contact input
[1] 900MHZ models not available for use in New Zealand
[2] Includes 2 x W-DG 900-1 antennas

Antenna accessories

Antenna accessories

IE-ANT-0-ABG-360-7-NF

IE-ANT-P-ABG-75-9-NF

IE-ANT-0-BG-360-6-NF

IE-ANT-0-AH-360-5-NF

Type	connector A	Connector B	Length	Cable loss	Order number
Connecting cables to suit IE-WL-AP models					
IE-CC-NM-RPSMAM-2M	RP SMA male	N-type male	2 m	1.1dB@2.4GHz / 1.8dB@5GHz	**1367110000**
IE-CC-NM-RPSMAM-4M	RP SMA male	N-type male	4 m	2.2dB@2.4GHz / 3.6dB@5GHz	**1367100000**
Connecting cables to suit WL series					
WL-CC3-SMA	SMA male	N-type male	3 m	1dB@900MHz/2dB@2.4GHz	**7940033962**
WL-CC10-SMA	SMA male	N-type male	10 m	3dB@900MHz/6dB@2.4GHz	**7940033960**
WL-CC20-SMA	SMA male	N-type male	20 m	6dB@900MHz/12dB@2.4GHz	**7940033961**
Antenna 900MHz					
WL-SG900-6	Collinear (1370mm long) with 'N' Type female connector, 8dBi				**7940033949**
WL-CFD890EL	Dipole (400mm long) with 5m RG58 lead, SMA male connector and mounting bracket 2.15dBi				**7940033947**
WL-YU6-900	6 element Yagi with 'N' type Female connector 10dBi				**7940033950**
Antenna 2.4/5GHz					
WL-SG2400-EL	Collinear (510mm long) with 'N' Type Female connector and mounting bracket 5.1dBi				**7940033954**
WL-Z2400-EL	Collinear (850mm long) with Black Radome and N-type Female connector 10dBi				**7940033955**
IE-ANT-0-ABG-360-7-NF	Omnidirectional dome aerial, 2.4 - 5.935 GHz, surface mount IP68, N type female 6-8dBi				**1367130000**
IE-ANT-P-ABG-75-9-NF	Compact directional wall mount antenna, 2.4- 5.875MHz. IP67, Wall mount, N type female 9dBi				**1367140000**
IE-ANT-0-BG-360-6-NF	Omnideirctional dipole 2.4-2.5GHz, 250mm x 22mm dia, N type female, IP67 c/w R/A bracket 6dBi				**1367090000**
IE-ANT-0-AH-360-5-NF	Omnideirctional dipole 5.150-5.875GHz, 160mm x 16mm dia, N type female, IP67 c/w R/A bracket 5dBi				**1367120000**

*Other antenna available to suit your installation. Please contact us for further assistance.

*STEADY*TEC® RJ45 Cat.6A plugs

- Quick patch cable requirement without tool
- Snagless construction for easy cable pulling
- Tested to 750 plugging cycles (to IEC 60603-7)
- Can be reterminated up to 5 times without any loss of function
- Optional lower cost crimp plug available
- Gigabit speeds

RJ45 plugs

Tool free | Crimp

Model Type	Description	Order number
Tool-Free		
IE-PS-RJ45-FH-BK	TIA 568 A/B/PROFINET, Universal	1963600000
IE-PS-RJ45-FH-BK-P	PROFINET, Coded	1132060000
IE-PS-RJ45-FH-BK-A	TIA 568 A, Coded	1132040000
IE-PS-RJ45-FH-BK-B	TIA 568 B, Coded	1132050000
Crimp		
IE-PS-RJ45-TH-BK	Crimp, with kink prevention sleeve	1963590000
IE-PM-RJ45-TH	Crimp, without kink prevention sleeve	1963580000

Cat.6A patch cable

- Cat.6A rated
- LSZH sheath
- Shielded cables
- Up to 10Gbps baud rate communications
- Colour coding for networks or device identification

Cat.7 305m shielded bulk cable

- Low smoke zero halogen
- Cat.7 (ISO/IEC 11801)
- S/FTP shielding
- 7 colours
- 4 x 2 x AWG 27/7

RJ45 shielded patch cable

Straight | 270° Grey

Cat.7 305m shielded bulk cable

LSZH blue | LSZH grey

Type	GREY Order number	BLUE Order number	BLACK Order number	GREEN Order number	RED Order number	MAGENTA Order number	YELLOW Order number	GREY 270° Order number	GREY 90° Order number
Cat.6A patch cables									
0.5 m	1165940005	1165900005	1251610005	1251590005	1166030005	1201270005	1251580005	1233160005	1248280005
1 m	1165940010	1165900010	1251610010	1251590010	1166030010	1201270010	1251580010	1233160010	1248280010
1.5 m	1165940015	1165900015	1251610015	1251590015	1166030015	1201270015	1251580015	1233160015	1248280015
2 m	1165940020	1165900020	1251610020	1251590020	1166030020	1201270020	1251580020	1233160020	1248280020
3 m	1165940030	1165900030	1251610030	1251590030	1166030030	1201270030	1251580030	1233160030	1248280030
5 m	1165940050	1165900050	1251610050	1251590050	1166030050	1201270050	1251580050	1233160050	1248280050
10 m	1165940100	1165900100	1251610100	1251590100	1166030100	1201270100	1251580100	1233160100	1248280100
15 m	1165940150	1165900150	1251610150	1251590150	1166030150	1201270150	1251580150	1233160150	1248280150
20 m	1165940200	1165900200	1251610200	1251590200	1166030200	1201270200	1251580200	1233160200	1248280200
25 m	1165940250	1165900250	1251610250	1251590250	1166030250	1201270250	1251580250	1233160250	1248280250
Cat.7: 305m roll									
305m	1273090000	1326540000	1344690000	1344680000	1287910000	1333160000	1344670000	-	-

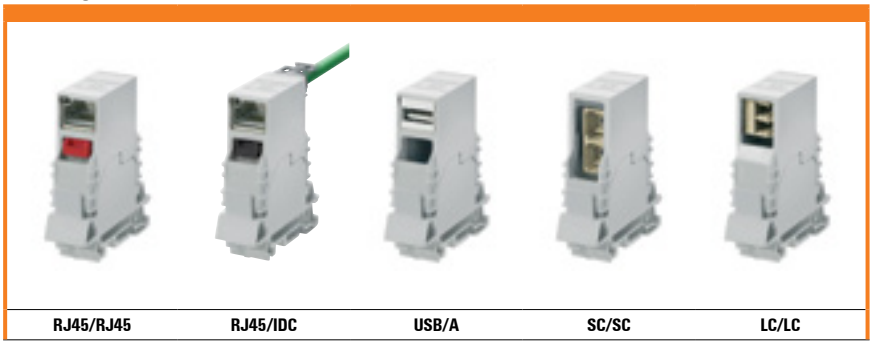
Cat.7 accessories

Model Type	Description	Qty	Order number
Sheathing stripper			
AM 12	For UTP and STP data cables	1	9030060000
IE-CST	For coaxial and round data cables	1	9204350000
Markers			
TM-I 12 MC NE GE	Insertion label. yellow. 12 mm	320	1718411687
TM-I 18 MC NE GE	Insertion label. yellow. 18 mm	320	1718431687
TM 4/12 HF/HB	Transparent sleeves. 12-mm length	500	1719840000
TM 4/18 HF/HB	Transparent sleeves. 18-mm length	500	1719850000
VT SF 5/21 NE WS V0	Wire and cable marker. ø 4.7 - 7.4 mm	160	1689470001
VT SF 6/21 NE WS V0	Wire and cable marker. ø 5.8 - 7.8 mm	160	1730560001

*STEADY*TEC® mounting rail outlets

- Easy patch panel solution for fibre & and copper
- Robust connection point prior to PLC / HMI etc
- Shielding against EMC
- Operating temperature: -25°C ...+70°C
- Intergrated switch for isolating cable shield
- Suitable for TS35 DIN rail
- Very narrow footprint

Mounting rail outlet



RJ45/RJ45 | RJ45/IDC | USB/A | SC/SC | LC/LC

Model Type	Description	Order number	Model Type	Description	Order number
IE-TO-RJ45-C	RJ45, Coupling Cat 6a	**8946920000**	IE-TO-SCD-MM	SC, Duplex multi-mode	**8946970000**
IE-TO-RJ45-FJ-A	RJ45, TIA-A Cat 6a	**8946930000**	IE-TO-SCD-SM	SC, Duplex single-mode	**8946980000**
IE-TO-USB	USB, USB A / USB A	**8946960000**	IE-TO-LCD-MM	LC, Duplex multi-mode	**8947010000**
			IE-TO-LCD-MM	LC, Duplex single-mode	**8947020000**

Angled connection for RJ45 & ST fibre

- Easy patch panel solution for fibre & and copper
- Robust connection point prior to PLC / HMI etc
- Shielding against EMC
- Suitable for TS35 DIN rail
- Very narrow footprint

Angled mounting rail coupler

RJ45/IDC | RJ45/RJ45 | ST/ST

Model Type	Description	Order number
IE-XM-RJ45/IDC	Outlet RJ45/TIA-A IDC	**8808360000**
IE-XM-RJ45/RJ45	Cat 6 RJ45/RJ45 Coupler	**8879050000**
IE-XM-ST/ST	ST/ST Multimode	**8808340000**

RJ45 terminal interface

- Direct coupling of PC and modem in control cabinet
- Connection of typical office equipment
- Data rate Cat5 100 Mbit
- For mounting on rail TS 32/35

RJ45 plug connectors

RS RJ45

Model Type		Order number
RS RJ45		**8611320000**

FrontCom® micro

- Convenient access port for configuring equipment
- Access without opening panel or cubicle doors
- Operating temperature: -40°C...+70°C
- IP65 rated

IP65 front panel coupler

RJ45 | RJ45/IDC | USB AA | USB AB | USB 3.0 AA

Model Type	Description	Order number	Model Type	Description	Order number
USB			**Accessories**		
IE-FCM-USB-A	AA coupling	**1018840000**	SM-H 27/18	Switch mark holder	**1716630000**
IE-FCM-USB-AB	AB coupling	**1222550000**	SM 27/18 MC	Switch markers, white	**1699860000**
IE-FCM-USB 3.0 A/A	AA USB 3.0 coupling	**1427960000**	SM 27/18 MC	Switch markers, custom print	**1699870000**
RJ45					
IE-FCM-RJ45-C	Coupling Cat 6a	**1018790000**			
IE-FCM-RJ45-FJ-A	TIA-A Cat 6a	**1018810000**			

M12 couplers

- 4 wire industrial Ethernet
- Ethernet cabling with IP 67 protection
- Conversion from RJ45 to M12 cabling
- Fully shielded

M12 adapter and coupling

M12 - RJ45 adapter | M12 - M12 coupling | M12 plug

Model Type	Description	Order number	Model Type	Description	Order number
M12 Female - RJ45 straight	Adapter	**8901620000**	M12 Male (screw connection)	M12 Plug	**1892120000**
M12 Female - RJ45 angled	Adapter	**8901630000**	M12 Female (screw connection)	M12 Plug	**1892130000**
M12 Female - M12 Female	Coupling	**8901640000**			

M12 X-type Cat. 6_A

- Field assembled gigabit connectors
- Up to 10 Gb/s transfer rate

M12 connector / PCB socket

Plug | PCB socket

Model Type	Category	Connection 1 / 2	Order number
IE-PS-M12X-P-FH	Cat.6A	M12 / Insulation displacement technology	**1324020000**
IE-AD-M12XRJ45-90	Cat.6A	RJ45 90° / M12	**1400610000**
IE-AD-M12XRJ45-180	Cat.6A	RJ45 / M12	**1400620000**

FrontCom® Vario Frame

- IP 65

Accessories

Type	Description	Qty.	Order No.
IE-FC-KEY	Spare key	1	1465930000
Markers			
SM 27/18 K MC NE WS	white	80	1707270000
SM 27/18 K MC NE SI	silver	80	1713760000
SM 27/18 K MC NE GR	light grey	80	1073340000
ESG 7/20 SIRIUS MC NE WS	Markers for touch-safe protection and insert plates	200	1736181044
Touch-safe protection			
IE-FC-PWPC	Touch-safe protection	1	1450820000

Metal cover **Plastic cover**

IE-FC-SFM-KNOB IE-FC-SFM-KEY IE-FC-SFP-KNOB IE-FC-SFP-KEY

Product name	Description	Protection degree	Material cover	Ambient temperature	Order number
Metal cover					
IE-FC-SFM-KNOB	Button operation	IP 65 in enclosed state	Zinc diecast, powder-coated	-40 °C...+70 °C	1450530000
IE-FC-SFM-KEY	Lockable with key				1450540000
Plastic cover					
IE-FC-SFP-KNOB	Button operation	IP 65 in enclosed state	Polycarbonate PC	-40 °C...+70 °C	1450510000
IE-FC-SFP-KEY	Lockable with key				1450520000

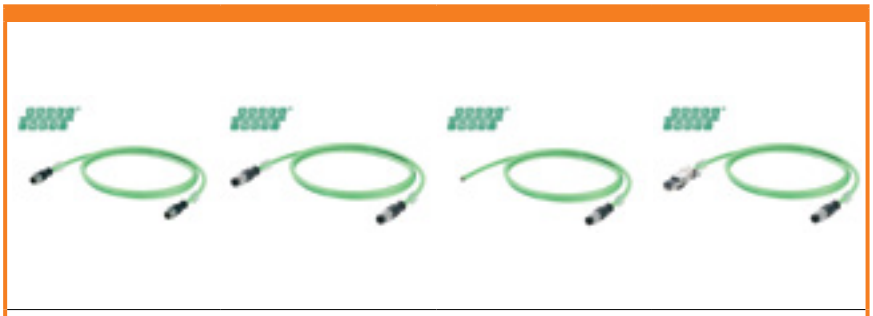
FrontCom® Vario Insert plates and inserts

			FrontCom® Vario Insert plates			
			1x Power, 2x Data	2x Data, 2x Signal	1x Data, 2x Signal	blank plate
			shielded	shielded	shielded	shielded
			IE-FC-SP-PWB/2ST	IE-FC-SP-2ST/2D9	IE-FC-SP-1ST/1D9/1D25	IE-FC-IP-BP
			1450550000	1450590000	1450580000	1450710000
			unshielded	unshielded	unshielded	unshielded
			IE-FC-IP-PWB/2ST	IE-FC-IP-2ST/2D9	IE-FC-IP-1ST/1D9/1D25	-
			1450630000	1450670000	1450650000	-
Inserts	**Data inserts RJ45**					
	1962850000	**Module: TIA-A. Cat. 6A** IE-BI-RJ45-FJ-A	●	●	●	
	1962840000	**Coupling** IE-BI-RJ45-C	●	●	●	
	Data inserts USB 2.0					
	1019570000	**Coupling USB A/A** IE-BI-USB-A	●	●	●	
	1131380000	**Coupling USB A/B** IE-BI-USB-AB	●	●	●	
	Data inserts USB 3.0					
	1487920000	**Coupling USB A/A** IE-BI-USB-3.0-A	●	●	●	
	Signal inserts D-Sub Female / Female					
	1450840000	**9-pole** IE-FCI-D9-FF		●	●	
	1450880000	**25-pole** IE-FCI-D25-FF			●	
	Signal inserts D-Sub Female / Male					
	1450850000	**9-pole** IE-FCI-D9-FM		●	●	
	1450890000	**25-pole** IE-FCI-D25-FM			●	
	Power inserts Sockets, 10A / 15A					
	1546590000	IE-FCI-PWB-AU-10A	●			
	1450830000	IE-FCI-PWB-AU-15A	●			

M12 moulded Ethernet cables

- 100 Mb Industrial Ethernet
- For use with IP67 switches
- Suitable in areas prone to vibration moisture or dust
- Where secure connection is required
- Radox cabling available on request

M12 D-coded Ethernet cables



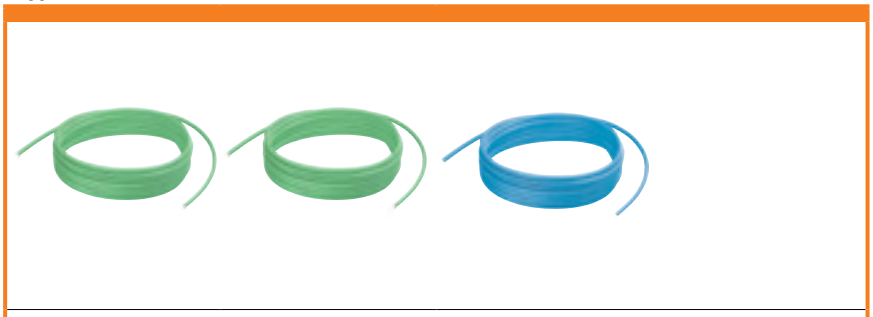
M12 - Plug / Plug | M12 - Plug / Socket | M12 - Open | M12 - RJ45

Model Type	Description	Order number	Model Type	Description	Order number
M12 Plug / Plug			**M12 Plug / RJ45**		
IE-C5DD4UG0005MCSMCS-E	0.5 m	**1025950005**	IE-C5DD4UG0010MCSA20-E	1 m	**1044470010**
IE-C5DD4UG0015MCSMCS-E	1.5 m	**1025950015**	IE-C5DD4UG0015MCSA20-E	1.5 m	**1044470015**
IE-C5DD4UG0030MCSMCS-E	3 m	**1025950030**	IE-C5DD4UG0030MCSA20-E	3 m	**1044470030**
IE-C5DD4UG0050MCSMCS-E	5 m	**1025950050**	IE-C5DD4UG0050MCSA20-E	5 m	**1044470050**
IE-C5DD4UG0100MCSMCS-E	10 m	**1025950100**	IE-C5DD4UG0100MCSA20-E	10 m	**1044470100**
M12 Plug / Socket			**M12 Plug / Open**		
IE-C5DD4UG0015MSSMCS-E	1.5 m	**1059330015**	IE-C5DD4UG0015MCSXXX-X	1.5 m	**1025940015**
IE-C5DD4UG0030MSSMCS-E	3 m	**1059330030**	IE-C5DD4UG0030MCSXXX-X	3 m	**1025940030**
IE-C5DD4UG0050MSSMCS-E	5 m	**1059330050**	IE-C5DD4UG0050MCSXXX-X	5 m	**1025940050**
IE-C5DD4UG0100MSSMCS-E	10 m	**1059330100**	IE-C5DD4UG0100MCSXXX-X	10 m	**1025940100**
Accessories					
IE-CST	Sheathing stripper, for coaxial and round data cables	**9204350000**			
Markers					
TM-I 12 NEUTRAL GE	Insertion label, yellow, 12 mm	**1718411687**			
TM-I 18 NEUTRAL GE	Insertion label, yellow, 18 mm	**1718431687**			
TM 4/12 HF/HB	Transparent sleeves, 12 mm length	**1719840000**			
TM 4/18 HF/HB	Transparent sleeves, 18 mm length	**1719850000**			
VT SF 5/21 NEUTRAL WS V0	Wire and cable marker, Ø 4,7 – 7,4 mm	**1689470001**			
VT SF 5/21 NEUTRAL WS V0	Wire and cable marker, Ø 5,8 – 8,5 mm	**1730560001**			

Bulk Industrial Ethernet cabling

- PUR or PVC sheathing
- Cat.5 or Cat.7 shielded cables
- Cat.5 suitable for PROFINET
- Length of 100m or custom to a 1000m
- Suitable plugs and sockets are available
- Solid or stranded cables

Copper cables



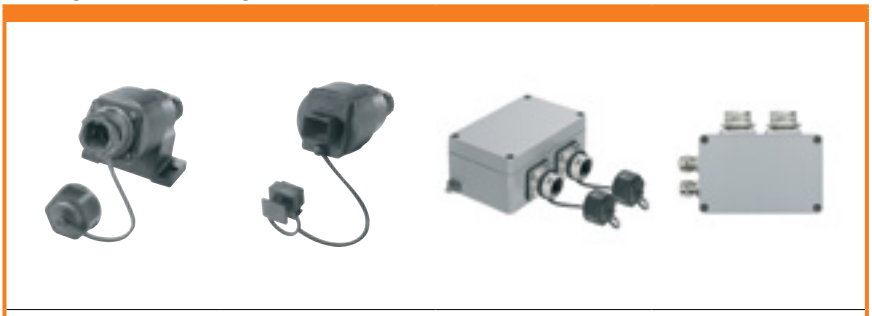
Cat.5 PUR / PVC | Cat.7 PUR / PVC | Cat.5 PUR

Model Type	Description	Order number	Model Type	Description	Order number
Industrial installation			**Industrial connecting**		
IE-5IC4x2xAWG24/1-PUR	Cat. 5, green, 100m	**8813160000**	IE-5CC4x2xAWG26/7-PUR	Cat. 5, green, 100m	**8813200000**
IE-5IC4x2xAWG24/1-PVC	Cat. 5, green, 100m	**8813150000**	IE-5CC4x2xAWG26/7-PVC	Cat. 5, green, 100m	**8813190000**
IE-7IC4x2xAWG23/1-PUR	Cat. 7, green, 100m	**8813140000**	IE-7CC4x2xAWG26/7-PUR	Cat. 7, green, 100m	**8813180000**
IE-7IC4x2xAWG23/1-PVC	Cat. 7, green, 100m	**8813130000**	IE-7CC4x2xAWG26/7-PVC	Cat. 7, green, 100m	**8813170000**
IE-C5AS4Vxx	Cat. 5 PROFINET, green, 100m	**8899000000**	IE-C5DS4Vxx	Cat. 5 PROFINET, green, 100m	**8898990000**
Industrial trailing					
IE-5TC4x2xAWG26/7-PUR	Cat. 5, green, 100m	**8813210000**			
IE-C5ED8UBxx	Cat. 5, blue, 100m	**8960670000**			
IE-C5DD4UGx	Cat. 5 PROFINET, green, 100m	**8899010000**			

Field junction box – Bayonet V1

Characterised by IP67 protection, tested for 750 plugging cycles to provide a reliable connection. Order Plug insert + Plug housing + Junction Box + Flange insert for a complete set. Protective caps included on Flange housings only.

V1 Flange-mounted housing



Wall mounted | Cable coupling | Double junction box | Double junction box - left

Model Type	Description	Order number
IE-OP-V01P-1S	Wall-mounted junction box, IP 67, Variant 1 to IEC 61076-3-106	1061830000
IE-OP-V04P-1S	Wall-mounted junction box, IP 67, Variant 4 to IEC 61076-3-106	1045780000
IE-OM-V01M-K21-2S	Junction box, IP 67, Variant 1, 2 ports, straight	1966330000
IE-OM-V01M-K21-2L	Junction box, IP 67, Variant 1, 2 ports, left	1966320000

Field junction box – Push Pull V4

Characterised by IP67 protection, robust housing material, tested for 750 plugging cycles to provide a reliable connection. Order Plug insert + Plug housing + Junction Box + Flange insert for a complete set. Protective caps included on Flange mounted housings only.

V4 Flange-mounted housing

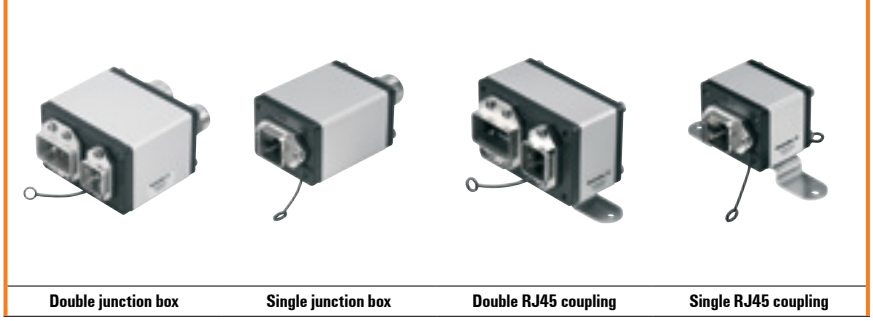
Double junction box | Single junction box | Wall mounted | Cable coupling

Model Type	Description	Order number
IE-OM-V04P-K21-2S	Junction box, IP 67, Variant 4, 2 ports, straight	1966250000
IE-OM-V04P-K11-1S	Junction box, IP 67, Variant 4, 1 port, straight	1966220000
IE-OP-V04P-1S	Wall-mounted junction box, IP 67, Variant 4 to IEC 61076-3-106	1045780000
IE-CC-V04P	Coupling, IP 67, Variant 4 to IEC 61076-3-106	1045960000

Field junction box – Push Pull V4

The FreeCon Junction Box is strong enough to withstand flying sparks, welding slag and moisture for Ethernet data, signal and power connectivity. IP67 degree of protection. Order the required data and power plugs to suit junction box connection.

V14 Flange-mounted housing



Double junction box | Single junction box | Double RJ45 coupling | Single RJ45 coupling

Model Type	Description	Order number
IE-CD-V14MRJ/VAPM24V-FJ	Junction box, FreeCon, RJ45 module, Power	1068830000
IE-CD-V14MRJ-FJ	Junction box, FreeCon, RJ45 module	1068880000
IE-CD-V14MRJ/VAPM24V-C-MA	Junction box, FreeCon, RJ45, Coupling, Power	1068820000
IE-CD-V14MRJ-C-MA	Junction box, FreeCon, RJ45, Coupling	1068870000

STEADYTEC

Metal flange

	Housings			Protective cap
	Variant 1 Bayonet		1963540000	1965700000
	Variant 5 HDC		1963530000	1968930000
	Inserts			
	RJ45 coupling		1962840000	-
	RJ45 module	TIA-A	1962850000	-
		TIA-B	1963840000	
		PROFINET	1963830000	
	SC/SCRJ coupling	Multimode	1964430000	-
		Singlemode	1962870000	-
				-
	LC Duplex coupling	Multimode	1964420000	-
		Singlemode	1962880000	-
	USB coupling		1019570000	

KS = anti-kink protection

Plastic flange

	Housings			Protective cap
	Variant 1 Bayonet		1016960000	1965700000
	Variant 4 PushPull		1963520000	1963900000
	Inserts			
	RJ45 coupling		1962840000	-
	RJ45 module	TIA-A	1962850000	-
		TIA-B	1963840000	
		PROFINET	1963830000	
	SC/SCRJ coupling	Multimode	1964430000	-
		Singlemode	1962870000	-
				-
	LC Duplex coupling	Multimode	1964420000	-
		Singlemode	1962880000	-
	USB coupling		1019570000	

KS = anti-kink protection

Metal Standardised and Central flange

			Housings	Variant 14 PushPull RJ		Variant 14 PushPull fibre-optic	
				Standardised flange	Central flange	Standardised flange	Central flange
	Inserts			1011540000	1047950000		
	RJ45 coupling		1962840000	Please order separately	Please order separately		
	RJ45 module	TIA-A	1962850000	Please order separately	Please order separately		
		TIA-B	1963840000	Please order separately	Please order separately		
		PROFINET	1963830000	Please order separately	Please order separately		
	SC/SCRJ coupling	Multimode				1058120000	1062590000
		Singlemode				1058140000	1062600000
	LC Duplex coupling	Multimode				1058130000	1062610000
		Singlemode				1058150000	1062620000

V5 with RJ45 coupling

V1 with SC multimode

V4 with LC multimode

V14 with RJ45 module

Metal plug

	Housings			Protective cap
	Variant 1 Bayonet	With KS	1962560000	1965690000
		Without KS	1962550000	
	Variant 14 PushPull RJ	With KS	1011570000	1058280000
		Without KS	1011560000	
	Variant 14 PushPull fibre-optic	With KS	1058110000	1058280000
		Without KS	1058100000	
	Var. 5 HDC	Without KS	1962540000	1968920000

Inserts

	RJ45 AWG 24 crimp		1962720000	-
	RJ45 AWG 22 tool-free	TIA-A/-B/-P	1962730000	-
	LWL SC	Multimode	1067380000	-
		Singlemode	1067390000	-
		POF	1067410000	-
	LWL LC	Multimode	1962780000	-
		Singlemode	1962790000	-

KS = anti-kink protection

Plastic plug

	Housings			Protective cap
	Variant 1 Bayonet	With KS	1012460000	1965690000
		Without KS	1012440000	
	Variant 14 PushPull	With KS	1962530000	1963890000
		Without KS	1962520000	

Inserts

	RJ45 AWG 24 crimp		1962720000	-
	RJ45 AWG 22 tool-free	TIA-A/-B/-P	1962730000	-
	LWL SC	Multimode	1067380000	-
		Singlemode	1067390000	-
		POF	1067410000	-
	LWL LC	Multimode	1962780000	-
		Singlemode	1962790000	-

KS = anti-kink protection

V1 with SC multimode

V5 with RJ45 crimp

V4 with LC multimode

V14 with RJ45 tool-free

Fibre Patch Leads

Singlemode fibre patch and adaptor cables

- LSZH sheathing
- Singlemode glass fibre
- Supplied complete with Insertion loss certificate

Multimode (OM1) fibre patch and adaptor cables

- LSZH sheathing
- Multimode OM1 (62.5µm) glass fibre or supplied complete with Insertion loss certificate

Multimode (OM1) fibre patch and adaptor cables

- LSZH sheathing
- Multimode OM3 (50µm) glass fibre or supplied complete with Insertion loss certificate

Fibre patch leads

FCP SC-SC singlemode FCP ST-ST multimode

Type	Connector	1m Order number	2m Order number	3m Order number	5m Order number	10m Order number	15m Order number	20 Order number
Singlemode								
Duplex FO Patch cable	SC - SC	7940031025	7940031026	7940031027	7940031028	7940031029	7940031030	7940031031
Duplex FO Adaptor cable	SC - ST	7940031032	7940031033	7940031034	7940031035	7940031036	7940031037	7940031038
Duplex FO Patch cable	ST - ST	7940031039	7940031040	7940031041	7940031042	7940031043	7940031044	7940031045
Duplex FO Adaptor cable	SC - LC	7940031046	7940031047	7940031107	7940031108	7940031109	7940031110	7940031111
Duplex FO Adaptor cable	ST - LC	7940031112	7940031113	7940031114	7940031115	7940031116	7940031117	7940031118
Duplex FO Patch cable	LC - LC	7940031119	7940031120	7940031121	7940031122	7940031123	7940031124	7940031125
Multimode (OM1)								
Duplex FO Patch lead	SC - SC	7940030890	7940030891	7940030892	7940030893	7940030894	7940030895	7940030896
Duplex FO Adaptor lead	SC - ST	7940030897	7940030898	7940030899	7940030901	7940030902	7940030903	7940030904
Duplex FO Patch lead	ST - ST	7940030905	7940030906	7940030907	7940030908	7940030909	7940030910	7940030911
Duplex FO Adaptor lead	SC - LC	7940030912	7940030913	7940030914	7940030915	7940030916	7940030917	7940030918
Duplex FO Adaptor lead	ST - LC	7940030919	7940030920	7940030921	7940030922	7940030923	7940030924	7940030925
Duplex FO Patch lead	LC - LC	7940030926	7940030927	7940030928	7940030929	7940030930	7940030931	7940030932
Multimode (OM3)								
Duplex FO Patch cable	SC - SC	7940030977	7940030978	7940030979	7940030980	7940030981	7940030982	7940030983
Duplex FO Adaptor cable	SC - ST	7940030991	7940030992	7940030993	7940030994	7940030995	7940030996	7940030997
Duplex FO Patch cable	ST - ST	7940030984	7940030985	7940030986	7940030987	7940030988	7940030989	7940030990
Duplex FO Adaptor cable	SC - LC	7940030998	7940030999	7940031000	7940031001	7940031002	7940031003	7940031004
Duplex FO Adaptor cable	ST - LC	7940031005	7940031006	7940031007	7940031008	7940031009	7940031010	7940031011
Duplex FO Patch cable	LC - LC	7940031012	7940031013	7940031014	7940031015	7940031016	7940031017	7940031018

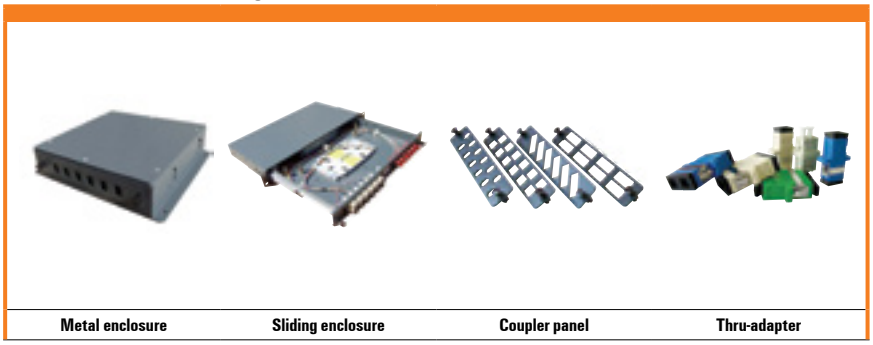
Metal wall mount enclosure

- Fibre termination in a metal enclosure
- Fibre termination where rack mount is not suitable

Sliding enclosure

- 19" rackmount Fibre Optic Breakout Tray (FOBOT)
- Quality 2 stage slide out drawer mechanism
- 24, 48, 96 Fibre capacity in 1 RU, 2 RU and 3 RU design adjustable mounting bracket

Metal wall mount and sliding enclosure



Metal enclosure	Sliding enclosure	Coupler panel	Thru-adapter

Model Type	Description	Order number
FCP W BOX 12FM CPL PNL H/LID	Wall Box 12 Fibre Metal (1 x Coupler Panel) Hinge/Lid	7940031132
FCP W BOX 12FM CPL PNL S/LID	Wall Box 12 Fibre Metal (1 x Coupler Panel) Screw/Lid	7940031133
FCP W BOX 12/24FM 2C PNL H/LID	Wall Box 12/24 Fibre Metal (2 x Coupler Panel) Hinge/Lid	7940031134
Enclosure	Sliding Enclosure - Modular 2 Panel up to 24 fibre	7940031126
	Sliding Enclosure - Modular 4 Panel up to 48 fibre	7940031127
	Sliding Enclosure - Modular 8 Panel up to 96 fibre	7940031128
Coupler panel	Flat (Blank)	7940031309
	Angled (SC Duplex 6 Port)	7940031311
	Flat (SC Duplex 6 Port)	7940031312
	Flat, SC Duplex 6 Port, No. 1-12	7940031314
	Flat, SC Duplex 6 Port, No. 13-24	7940031315
	Angled, SC Duplex 6 Port, No. 1-12, Left	7940031316
	Angled, SC Duplex 6 Port, No. 13-24, Right	7940031317
	Angled, SC Simplex 12 Port, No. 1-12, Left	7940031318
	Angled, SC Simplex 12 Port, No. 1-12, Right	7940031319
	Angled, SC Simplex 12 Port, No. 13-24, Right	7940031320
	Flat, SC Simplex 12 Port	7940031321
	Angled, SC Simplex 6 Port	7940031322
	Flat, SC Simplex 6 Port / LC Duplex	7940031323
	Angled, ST Simplex 12 Port	7940031324
	Flat, ST Simplex 12 Port	7940031325
	Flat, ST Simplex 6 Port	7940031326
	ST Simplex 12 Port, wall box hinge / lid	7940031327
	SC Duplex 6 Port, wall box hinge / lid	7940031328
Thru-adapter	SC Multimode Duplex - Beige	7940031329
	SC Singlemode Duplex - Blue	7940031330
	ST Multimode Simplex - Metal body	7940031336
	ST Single mode Simplex - Metal body	7940031337
	LC Multimode Duplex to SC Simplex Hole, Beige	7940031338
	LC Singlemode Duplex to SC Simplex Hole, Blue	7940031339
	LC Multimode OM3 Duplex to SC Simplex Hole, Aqua	7940031340
Splice Cassette	Small Splice Cassette with lid - 12 Fibre	7940031343
	Large Splice Cassette with Lid - 24 Fibre	7940031344

Model Type	Description	SC Order number	ST Order number	LC Order number
Singlemode/Multimode pigtails				
Multimode OM1 Pigtails 900µm 6	Orange	7940031351	7940031353	7940031355
Multimode OM1 Pigtails 900µm 12	Coloured	7940031352	7940031354	7940031356
Multimode OM3 Pigtails 900µm 6	Aqua	7940031357	7940031359	7940031361
Multimode OM3 Pigtails 900µm 12	Coloured	7940031358	7940031360	7940031362
Singlemode SM Pigtails 900µm 6	Yellow	7940031345	7940031347	7940031349
Singlemode SM Pigtails 900µm 12	Coloured	7940031346	7940031348	7940031350

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u-remote IP20 remote I/O

u-remote IP20 remote I/O	Gateway modules	E.2
	Digital input	E.2
	Digital counter	E.2
	Digital output	E.2
	PWM output	E.2
	Functional safety SIL3	E.2
	Analogue input	E.3
	Temperature input	E.3
	Analogue output	E.3
	Auxiliary modules	E.3
	Power feed modules	E.3

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- Faster installation
- Quickest maintenance
- Reduced size
- 256 I/O in 20µs
- 64 active modules per gateway
- Hot swap modules simply
- Integrated Web Server
- Isolated input/output power paths

- **Profibus DP**
- **Profibus IRT**
- **Modbus-TCP**
- **EtherCAT**
- **Ethernet IP**
- **DeviceNet**
- **CANopen**

Digital input modules

- Positive switching
- Large selection from 1-4 wire
- 2-16 inputs in 11.5mm
- Auxiliary modules
- Time stamping models (1µs)

Digital output modules

- Positive or negative switching
- Large selection from 1-4 wire
- 4-16 outputs in 11.5mm
- Auxiliary modules
- High current switching to 6A

Analogue input modules

- Input parameters can be set for current or voltage
- Up to 3-wire+FE
- Accuracy 0.1% FSR

Analogue output module

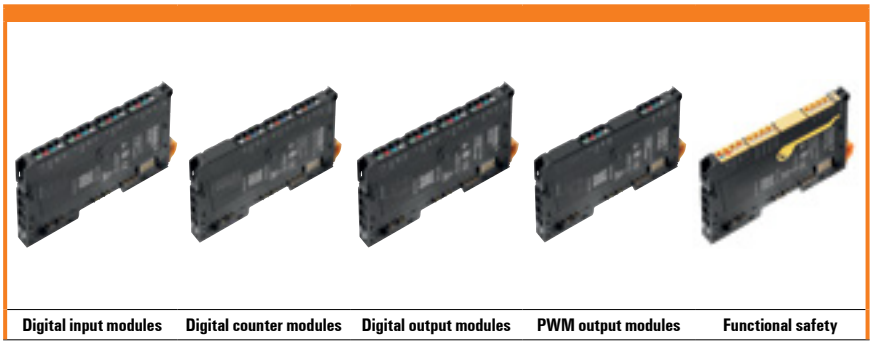
- 2- or 4-wire connection
- 16-bit resolution
- 4 outputs

COMING SOON EtherNet/IP DeviceNet CANopen

Gateway Modules

Product name	Order number	Product name	Order number	Product name	Order number	Product name	Order number
Profibus DP		**Modbus TCP**		**Ethernet IP**		**CANopen**	
UR20-FBC-PB-DP	**1334870000**	UR20-FBC-MOD	**1334930000**	UR20-FBC-EIP	**1ST QTR 2015**	UR20-FBC-CAN	**1ST QTR 2015**
Profinet IRT		**EtherCAT**		**DeviceNet**			
UR20-FBC-PN-IRT	**1334880000**	UR20-FBC-EC	**1334910000**	UR20-FBC-DN	**1ST QTR 2015**		

Remote I/O modules



Digital input modules | Digital counter modules | Digital output modules | PWM output modules | Functional safety

Product name	Description	Order number
Digital input modules		
UR20-4DI-P	4 channel, positive switching, 24V DC, 3-wire + FE	**1315170000**
UR20-8DI-P-2W	8 channel, positive switching, 24V DC, 2-wire	**1315180000**
UR20-8DI-P-3W	8 channel, positive switching, 24V DC, 2/3-wire	**1394400000**
UR20-8DI-P-3W-HD	8 channel, positive switching, 24V DC, 2/3-wire, 32 point high density	**1315190000**
UR20-16DI-P	16 channel, positive switching, 24V DC, 1-wire	**1315200000**
UR20-16DI-P-PLC-INT	16 channel, positive switching, 24V DC, PLC interface	**1315210000**
UR20-2DI-P-TS	2 channel, positive switching, 3-wire + FE, 1µs timestamp	**1460140000**
UR20-4DI-P-TS	4 channel, positive switching, 3-wire + FE, 1µs timestamp	**1460150000**
Digital counter modules		
UR20-1CNT-100-1DO	1 channel, digital counter, 100kHz, 1 digital out	**1315570000**
UR20-2CNT-100	2 channel, digital counter, 100kHz	**1315590000**
UR20-2FCNT-100	2 channel, frequency counter, 100kHz	**1508080000**
Digital output modules		
UR20-4DO-P	4 channel, positive switching, 3-wire + FE, 24V DC/0.5A	**1315220000**
UR20-4DO-P-2A	4 channel, positive switching, 3-wire + FE, 24V DC/2A	**1315230000**
UR20-4DO-PN-2A	4 channel, positive/negative switching, 3-wire + FE, 24V DC/2A	**1394420000**
UR20-8DO-P	8 channel, positive switching, 2-wire, 24V DC/0.5A	**1315240000**
UR20-16DO-P	16 channel, positive switching, 1-wire, 24V DC/0.5A	**1315250000**
UR20-16DO-P-PLC-INT	16 channel, positive switching, PLC interface, 24V DC/0.5A	**1315270000**
UR20-4RO-CO-255	4 channel, isolated change-over relay, 277V AC/DC/6A	**1315550000**
UR20-4RO-SSR-255	4 channel, isolated solid-state relay, 277V AC/0.5A	**1315540000**
PWM output modules		
UR20-2PWM-0.5A	2 channel, PWM, 40kHz, 24V DC/0.5A	**1315600000**
UR20-2PWM-2A	2 channel, PWM, 40kHz, 24V DC/2A	**1315610000**
Functional safety		
UR20-PF-O-1DI-SIL	Functional safety SIL3, 1 safe input, OSSD output	**1335030000**
UR20-PF-O-2DI-DELAY-SIL	Functional safety SIL3, 1 safe input, OSSD output, delay function	**1335040000**
UR20-PF-O-2DI-SIL	Functional safety SIL3, 2 safe inputs, OSSD output	**1335050000**

Digital counter modules

- 100 kHz
- 32-Bit Counter data width
- Single channel diagnosis

Pulse width modulation modules

- Frequency can be adjusted up to 40 kHz
- Short-circuit-proof
- Two PWM outputs

Modules for functional safety

- SIL 3
- OSSD output
- Wire breakage and short-circuit detection
- Timed output module

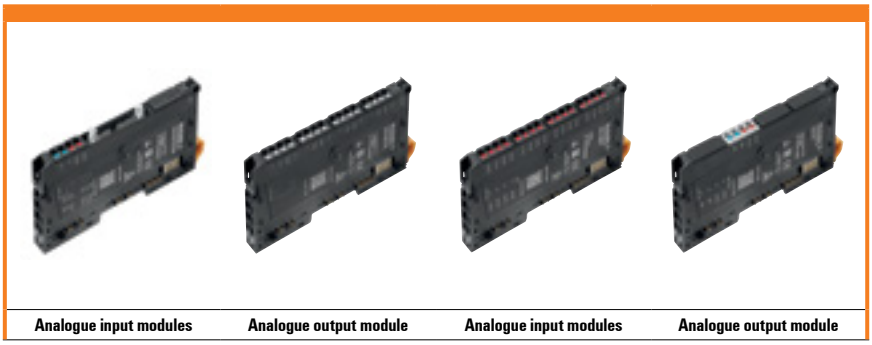
Power-feed modules

- 10 A feeding
- Input or output current path
- Diagnosis visualisation

Auxiliary modules

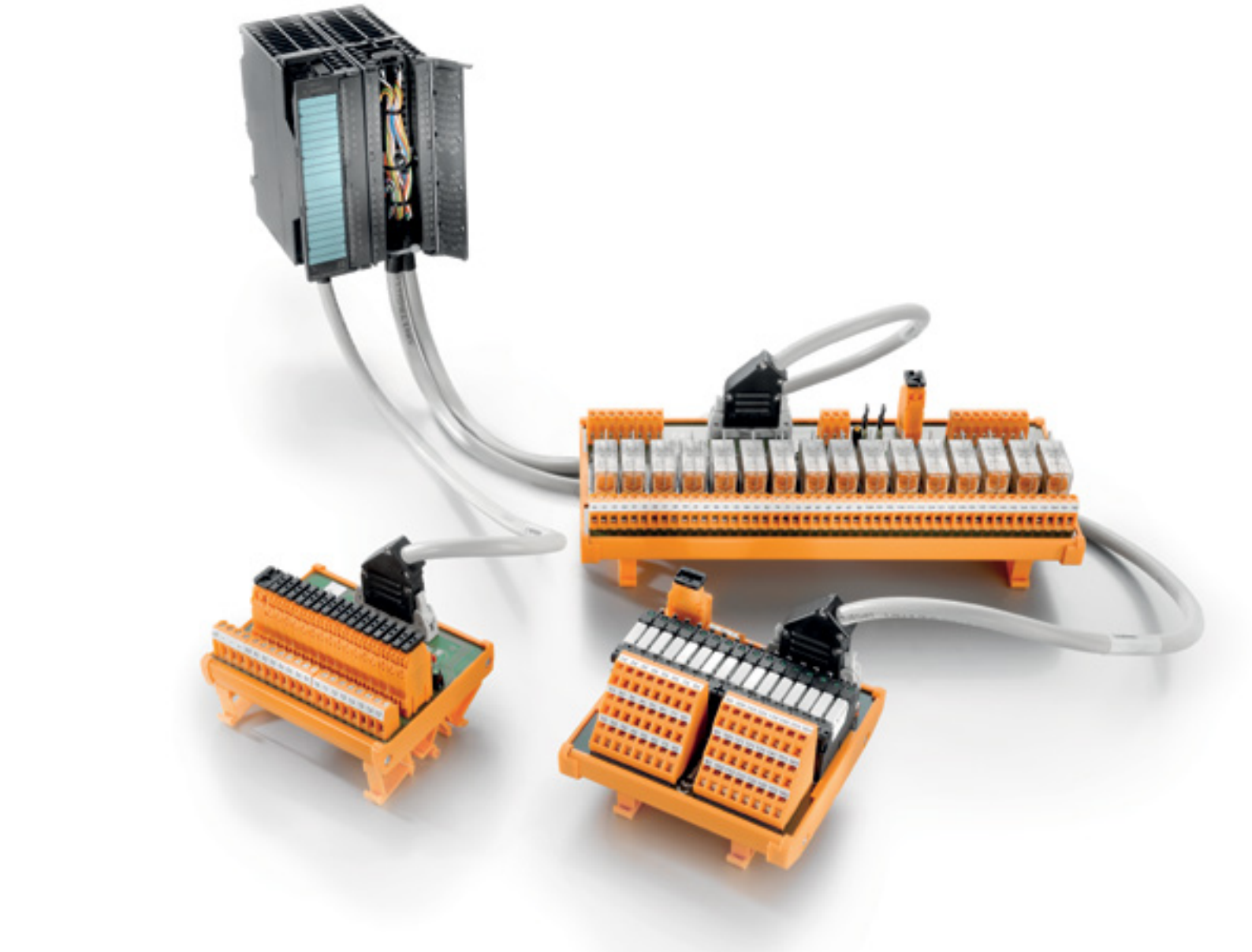
- Distribution of the various potentials
- Actuator and sensor supply
- 16 "PUSH IN" potential contacts
- Allows horizontal wiring

Remote I/O modules



Analogue input modules | Analogue output module | Analogue input modules | Analogue output module

Product name	Description	Order number
Analogue input modules		
UR20-4AI-UI-12	4 channel, analogue voltage / current, 12-bit	1394390000
UR20-4AI-UI-16	4 channel, analogue voltage / current, 16-bit	1315620000
UR20-4AI-UI-16-HD	4 channel, analogue voltage / current, 32 point high density 16-bit	1506920000
UR20-4AI-UI-16-DIAG	4 channel, analogue voltage / current, diagnostics, 16-bit	1315690000
UR20-4AI-UI-16-DIAG-HD	4 channel, analogue voltage / current, 32 point diagnostics, high density 16-bit	1506910000
UR20-8AI-I-PLC-INT-16	8 channel, analogue voltage / current, PLC interface, 16-bit	1315670000
Temperature inputs		
UR20-4AI-RTD-DIAG	4 channel, analogue RTD, diagnostics, 16-bit	1315700000
UR20-4AI-TC-DIAG	4 channel, analogue Thermocouple, diagnostics, 16-bit	1315710000
Analogue output modules		
UR20-4AO-UI-16	4 channel, analogue voltage / current, 16-bit	1315680000
UR20-4AO-UI-16-DIAG	4 channel, analogue voltage / current, diagnostics, 16-bit	1315730000
Auxiliary modules		
UR20-16AUX-I	16 channel 24V distribution bus, input path	1334770000
UR20-16AUX-O	16 channel 24V distribution bus, output path	1334780000
UR20-16AUX-FE	16 channel functional earth distribution bus	1334790000
UR20-16AUX-GND-I	16 channel 0V distribution bus, input path	1334800000
UR20-16AUX-GND-O	16 channel 0V distribution bus, output path	1334810000
UR20-ES	Empty module, space for future expansion	1315770000
Power feed modules		
UR20-PF-I	Power supply input path, 10A max	1334710000
UR20-PF-O	Power supply output path, 10A max	1334740000



Weidmüller

Universal solutions for PLC input/output cards

Aimed at reducing costs and to save space and time in the construction of electrical cabinets, the universal cabling system for PLCs is provided as an effective alternative to end-to-end cabling design. Weidmüller offers a wide range of pre-assembled cables and interfaces to major PLC manufacturers:

- The interfaces are used as an interconnection element between the control and the process, and are supplied with tension clamp or screw connection. Those interfaces, with a compact design, provide different functions such as LEDs, fuses, disconnects or relays.

Visit galaxy.weidmueller.com for product configurator

PLC interface units

PLC interface units	Ribbon cable interface	F.2
	SUB-D cable interface	F.2
	Isolated relay interface	F.3

RS F - Interface for flat cable in accordance with IEC 603-1/ DIN 41651

Interface for flat cable in accordance with IEC 603-1/DIN 41651.

- Connection 1:1
- 10 to 64 poles
- Screw or tension clamp connection

RS F

RSF S RSF S/ COMPACT

Product name	Description	Length	Order number
RSF S			
RS F10 LP2N 5/10	10-pole connector	50 mm	**0224961001**
RS F14 LP2N 5/14	14-pole connector	50 mm	**0225061001**
RS F16 LP2N 5/16	16-pole connector	55 mm	**0225161001**
RS F20 LP2N 5/20	20-pole connector	65 mm	**0224261001**
RS F26 LP2N 5/26	26-pole connector	80 mm	**0224861001**
RS F34 LP2N 5/34	34-pole connector	110 mm	**0224361001**
RS F40 LP2N 5/40	40-pole connector	115 mm	**0224461001**
RS F50 LP2N 5/50	50-pole connector	145 mm	**0224561001**
RS F60 LP2N 5/60	60-pole connector	180 mm	**0224661001**
RS F64 LP2N 5/64	64-pole connector	180 mm	**0224761001**
RSF S/ COMPACT			
RS F10 LP3R 3/12	10-pole connector	40 mm	**8012850000**
RS F14 LP3R 3/14	14-pole connector	45 mm	**8012860000**
RS F16 LP3R 3/18	16-pole connector	50 mm	**8012870000**
RS F20 LP3R 3/21	20-pole connector	50 mm	**8012910000**
RS F26 LP3R 3/27	26-pole connector	55 mm	**8012920000**
RS F34 LP3R 3/36	34-pole connector	70 mm	**8012930000**
RS F40 LP3R 3/42	40-pole connector	80 mm	**8012940000**
RS F50 LP3R 3/51	50-pole connector	95 mm	**8012950000**
RS F60 LP3R 3/63	60-pole connector	115 mm	**8012960000**
RS F64 LP3R 3/66	64-pole connector	120 mm	**8012970000**

RS SD - Interface for connector SUB-D in accordance with IEC 807-2/ DIN 41652

Interface for connector SUB-D in accordance with IEC 807-2/DIN 41652.

- Connection 1:1
- 9 to 50 poles
- Screw or tension clamp connection

RSSD Z

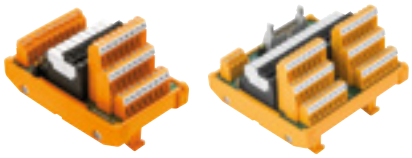
RSSD Z

Product name	Description	Length	Order number
RSSD Z			
RS SD9 SZ	9-pole male connector	45 mm	**8537260000**
RS SD15 SZ	15-pole male connector	60 mm	**8537390000**
RS SD25 SZ	25-pole male connector	80 mm	**8537370000**
RS SD37 SZ	37-pole male connector	110 mm	**8537240000**
RS SD50 SZ	50-pole male header	145 mm	**8537350000**
RS SD9 BZ	9-pole female connector	45 mm	**8537320000**
RS SD15 BZ	15-pole female connector	60 mm	**8537400000**
RS SD25 BZ	25-pole female connector	80 mm	**8537380000**
RS SD37 BZ	37-pole female connector	110 mm	**8537250000**
RS SD50 BZ	50-pole female connector	87 mm	**8537360000**

RSMS 1CO – Relay interface 1 changeover

- Interface from 8 to 16 electromechanical relays
- 1 changeover
- Positive or negative switching or ac/dc
- Flat-connector avaliable to make easy the connection to PLC'S
- Compatible with solid-state relays
- With optional gold contact relay
- Screw and tension clamp

RSMS 1CO



RSMS-8 1CO RSMS -161CO

Product name	Description	Relays	Screw Order number	Tension clamp Order number
5 V DC				
RSMS-8 5V+ 1CO	5 V DC positive switching (negative common)	8	1456530000	1456680000
RSMS-8 5V- 1CO	5 V DC negative switching (positive common)	8	1456630000	1456720000
RSMS-16 5V+ 1CO	5 V DC positive switching (negative common)	16	1456940000	1457030000
RSMS-16 5V- 1CO	5 V DC negative switching (positive common)	16	1456990000	1457080000
12 V DC				
RSMS-8 12V+ 1CO	12 V DC positive switching (negative common)	8	1456590000	1456690000
RSMS-8 12V- 1CO	12 V DC negative switching (positive common)	8	1456640000	1456730000
RSMS-16 12V+ 1CO	12 V DC positive switching (negative common)	16	1456950000	1457040000
RSMS-16 12V- 1CO	12 V DC negative switching (positive common)	16	1457000000	1457090000
24 V DC				
RSMS-8 24V+ 1CO	24 V DC positive switching (negative common)	8	1456610000	1456700000
RSMS-8 24V- 1CO	24 V DC negative switching (positive common)	8	1456650000	1456740000
RSMS-8 24V+ BASE	24 V DC positive switching (negative common) without relays	8	1456810000	1456820000
RSMS-16 24V+ 1CO	24 V DC positive switching (negative common)	16	1456970000	1457050000
RSMS-16 24V- 1CO	24 V DC negative switching (positive common)	16	1457010000	1457100000
RSMS-16 24V+ BASE	24 V DC positive switching (negative common) without relays	16	1457170000	1457180000
RSMS-8H 24V+ 1CO	24 V DC positive switching (negative common) with flat connector	8	1456540000	1456570000
RSMS-8H 24V- 1CO	24 V DC negative switching (positive common) with flat connector	8	1456550000	1456580000
RSMS-16H 24V+ 1CO	24 V DC positive switching (negative common) with flat connector	16	1457300000	1457320000
RSMS-16H 24V- 1CO	24 V DC negative switching (positive common) with flat connector	16	1457330000	1457310000
24 V AC/DC				
RSMS-8 24VAC/DC 1CO	24 V AC/DC	8	1456830000	1456850000
RSMS-8 24VUC AU 1CO	24 V AC/DC with Gold contact	8	1456840000	1456870000
RSMS-16 24VAC/DC 1CO	24 V AC/DC	16	1457190000	1457210000
RSMS-16 24VUC AU 1CO	24 V AC/DC with Gold contact	16	1457200000	1457220000
48 V DC				
RSMS-8 48V+ 1CO	48 V DC positive switching (negative common)	8	1456620000	1456710000
RSMS-8 48V- 1CO	48 V DC negative switching (positive common)	8	1456670000	1456750000
RSMS-16 48V+ 1CO	48 V DC positive switching (negative common)	16	1456980000	1457070000
RSMS-16 48V- 1CO	48 V DC negative switching (positive common)	16	1457020000	1457110000

Weidmüller

TERMSERIES

The All-rounder

Relay modules and solid-state relays with single and dual CO contacts from 6 mm width, with screw and tension-clamp connections. Your requirements are our benchmark! High-quality housing design with clear legible printing, illuminated ejector lever with high luminance and a safe switching module release, as well as unique and versatile cross-connectivity possibilities.

www.weidmuller.com.au

Relay modules and solid state relays

Relay modules and solid state relays	TERMSERIES – Relays and interface adapter	G.2
	RIDERSERIES – Relay modules	G.5
	D-SERIES – Relay modules and bases	G.6
	MC5R – Relay modules	G.11
	SIL3 Relay	G.13
	BT-SERIES – Timer	G.14
	TERMOPTO – Solid state relays	G.15
	MICROOPTO – Solid state relays	G.16
	PSSR – Power solid state relays	G.17

TERMSERIES 1 CO contact

- Space-saving 6.4 mm width
- Silver/Nickel (AgNi) contact with or without gold plating
- Gold plated contacts for low voltage signals (Au)
- Symmetrical design
- 5 cross connection level
- Screw and tension connection
- Multi voltage input: 24...230 V UC (AC/DC) in one unit
- Max switching voltage 250 V
- Max Switching current 8 A

TERMSERIES 1 CO RC

- AC input filter with increased operating current. Also reduces false operation from induced voltages

TERMSERIES 1 CO AU

- With hard gold-plated contacts

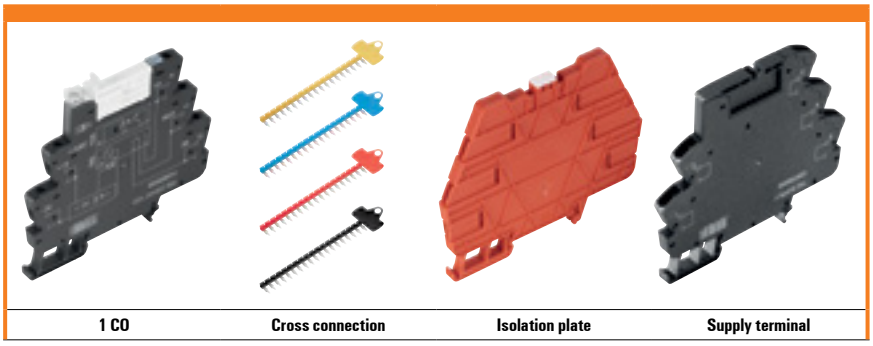
TERMSERIES 1 CO RC AU

- AC input filter with increased operating current. Also reduces false operation from induced voltages. With hard gold plated contacts.

Accessories

Cross connects	No. of poles	Colour	Order No.
ZQV 1.5N/R6.4/2 GE	2 / 6.4 mm	Yellow	1193670000
ZQV 1.5N/R6.4/10 GE	10 / 6.4 mm	Yellow	1193680000
ZQV 1.5N/R6.4/19 GE	19 / 6.4 mm	Yellow	1193690000
ZQV 1.5N/R12.8/10 GE	10 / 12.8 mm	Yellow	1193700000
ZQV 1.5N/R6.4/10 SW	10 / 6.4 mm	Black	1391630000
ZQV 1.5N/R6.4/19 SW	19 / 6.4 mm	Black	1391600000
ZQV 1.5N/R6.4/10 RT	10 / 6.4 mm	Red	1391640000
ZQV 1.5N/R6.4/19 RT	19 / 6.4 mm	Red	1391610000
ZQV 1.5N/R6.4/10 BL	10 / 6.4 mm	Blue	1390350000
ZQV 1.5N/R6.4/19 BL	19 / 6.4 mm	Blue	1391620000
Type	**Connection technology**		**Order No.**
TXS SUPPLY	Screw connection		1240780000
TXZ SUPPLY	Tension clamp connection		1240790000
Type	**Note**		
TW TXS/TXZ R3.2	Isolation plate 3.2 mm		1240800000
	Isolation plate - small		1818400000
	Isolation plate - large		1112930000

TERMSERIES 1 CO



1 CO | Cross connection | Isolation plate | Supply terminal

Product name	Rated Control Voltage	Order number	Product name	Rated Control Voltage	Order number
1 CO Screw clamp			**1 CO Tension clamp**		
TRS 5VDC 1CO	5 V DC	1122740000	TRZ 5VDC 1CO	5 V DC	1122860000
TRS 12VDC 1CO	12 V DC	1122750000	TRZ 12VDC 1CO	12 V DC	1122870000
TRS 24VDC 1CO	24 V DC	1122770000	TRZ 24VDC 1CO	24 V DC	1122880000
TRS 24VUC 1CO	24 V UC	1122780000	TRZ 24VUC 1CO	24 V UC	1122890000
TRS 48VUC 1CO	48 V UC	1122790000	TRZ 48VUC 1CO	48 V UC	1122900000
TRS 60VUC 1CO	60 V UC	1122800000	TRZ 60VUC 1CO	60 V UC	1122910000
TRS 120VUC 1CO	120 V UC	1122810000	TRZ 120VUC 1CO	120 V UC	1122920000
TRS 230VUC 1CO	230 V UC	1122820000	TRZ 230VUC 1CO	230 V UC	1122930000
TRS 24-230VUC 1CO	24 V - 230 V UC	1122850000	TRZ 24-230VUC 1CO	24 V - 230 V UC	1122970000
1 CO RC Screw clamp			**1 CO RC Tension clamp**		
TRS 120VAC RC 1CO	120 V AC	1122830000	TRZ 120VAC RC 1CO	120 V AC	1122940000
TRS 230VAC RC 1CO	230 V AC	1122840000	TRZ 230VAC RC 1CO	230 V AC	1122950000
1 CO AU Screw clamp			**1 CO AU Tension clamp**		
TRS 5VDC 1CO AU	5 V DC	1122980000	TRZ 5VDC 1CO AU	5 V DC	1123100000
TRS 12VDC 1CO AU	12 V DC	1122990000	TRZ 12VDC 1CO AU	12 V DC	1123110000
TRS 24VDC 1CO AU	24 V DC	1123000000	TRZ 24VDC 1CO AU	24 V DC	1123120000
TRS 24VUC 1CO AU	24 V UC	1123010000	TRZ 24VUC 1CO AU	24 V UC	1123130000
TRS 48VUC 1CO AU	48 V UC	1123020000	TRZ 48VUC 1CO AU	48 V UC	1123140000
TRS 60VUC 1CO AU	60 V UC	1123030000	TRZ 60VUC 1CO AU	60 V UC	1123150000
TRS 120VUC 1CO AU	120 V UC	1123040000	TRZ 120VUC 1CO AU	120 V UC	1123170000
TRS 230VUC 1CO AU	230 V UC	1123050000	TRZ 230VUC 1CO AU	230 V UC	1123180000
TRS 24-230VUC 1CO AU	24 V - 230 V UC	1123090000	TRZ 24-230VUC 1CO AU	24 V - 230 V UC	1123210000
1 CO RC AU Screw clamp			**1 CO RC AU Tension clamp**		
TRS 120VAC RC 1CO AU	120VUC	1123070000	TRZ 120VAC RC 1CO AU	120VUC	1123190000
TRS 230VAC RC 1CO AU	230VUC	1123080000	TRZ 230VAC RC 1CO AU	230VUC	1123200000

TERMSERIES adapters

- Adapts for input and output logic
- 24V DC systems
- Selectable for NPN or PNP switching
- PUSH IN connection
- Suits all 6.4 mm Termseries products

TIA F10

- Version for 8x 6.4 mm TERMSERIES base
- 10-pole plug according to DIN EN 60603-13, long locking lever

TIA SUBD 15S

- Version for 8x 6.4 mm TERMSERIES base
- Sub-D, 15-pole, DIN 41652 / IEC 60807

TIAL F20

- Version for 16x 6.4 mm TERMSERIES base
- 20-pole plug according to DIN EN 60603-13, long locking lever

TERMSERIES interface adapter

TIA F10 | TIA SUBD 15S | TIAL F20

Product name	Supply voltage	Rated voltage	Current (per signal path), max.	Number of signal paths	Depth x width x height	Order number
TIA F10	24 V DC ± 20 %	24 V DC	1 A	8	62 / 51 / 43	1463520000
TIA SUBD 15S	24 V DC ± 20 %	24 V DC	1 A	8	52 / 51 / 43	1463530000
TIAL F20	24 V DC ± 20 %	24 V DC	1 A	16	62 / 102 / 43	1463550000

TERMSERIES 2 CO contact

- Space-saving 12.8 mm width
- Silver/Nickel (AgNi) contact with or without gold plating
- Gold plated contacts for low voltage signals
- Symmetrical design
- 5 cross connection level
- Screw and tension connection
- Multi voltage input: 24...230 V UC (AC/DC) in one unit
- Max switching voltage 250 V
- Max Switching current 8 A

TERMSERIES 2 CO RC

- AC input filter with increased operating current.
  Also reduces false operation from induced voltages

TERMSERIES 2 CO AU

- With hard gold-plated contacts

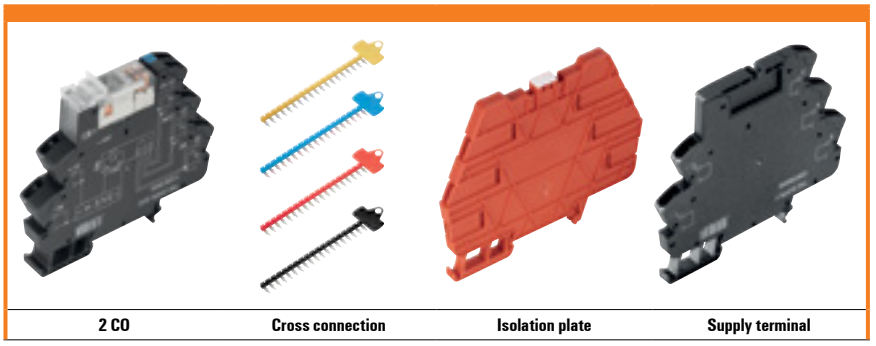
TERMSERIES 2 CO RC AU

- AC input filter with increased operating current.
  Also reduces false operation from induced voltages. With hard gold plated contacts.

Accessories

Cross connects	No. of poles	Colour	Order No.
ZQV 1.5N/R6.4/2 GE	2 / 6.4 mm	Yellow	1193670000
ZQV 1.5N/R6.4/10 GE	10 / 6.4 mm	Yellow	1193680000
ZQV 1.5N/R6.4/19 GE	19 / 6.4 mm	Yellow	1193690000
ZQV 1.5N/R12.8/10 GE	10 / 12.8 mm	Yellow	1193700000
ZQV 1.5N/R6.4/10 SW	10 / 6.4 mm	Black	1391630000
ZQV 1.5N/R6.4/19 SW	19 / 6.4 mm	Black	1391600000
ZQV 1.5N/R6.4/10 RT	10 / 6.4 mm	Red	1391640000
ZQV 1.5N/R6.4/19 RT	19 / 6.4 mm	Red	1391610000
ZQV 1.5N/R6.4/10 BL	10 / 6.4 mm	Blue	1390350000
ZQV 1.5N/R6.4/19 BL	19 / 6.4 mm	Blue	1391620000
Type	**Connection technology**		**Order No.**
TXS SUPPLY	Screw connection		1240780000
TXZ SUPPLY	Tension clamp connection		1240790000
Type	**Note**		
TW TXS/TXZ R3.2	Isolation plate 3.2 mm		1240800000
	Isolation plate - small		1818400000
	Isolation plate - large		1112930000

TERMSERIES 2 CO



2 CO | Cross connection | Isolation plate | Supply terminal

Product name	Rated Control Voltage	Order number	Product name	Rated Control Voltage	Order number
2 CO Screw clamp			**2 CO Tension clamp**		
TRS 5VDC 2CO	5 V DC	1123470000	TRZ 5VDC 2CO	5 V DC	1123590000
TRS 12VDC 2CO	12 V DC	1123480000	TRZ 12VDC 2CO	12 V DC	1123600000
TRS 24VDC 2CO	24 V DC	1123490000	TRZ 24VDC 2CO	24 V DC	1123610000
TRS 24VUC 2CO	24 V UC	1123500000	TRZ 24VUC 2CO	24 V UC	1123620000
TRS 48VUC 2CO	48 V UC	1123510000	TRZ 48VUC 2CO	48 V UC	1123630000
TRS 60VUC 2CO	60 V UC	1123520000	TRZ 60VUC 2CO	60 V UC	1123640000
TRS 120VUC 2CO	120 V UC	1123530000	TRZ 120VUC 2CO	120 V UC	1123650000
TRS 230VUC 2CO	230 V UC	1123540000	TRZ 230VUC 2CO	230 V UC	1123670000
TRS 24-230VUC 2CO	24 V - 230 V UC	1123580000	TRZ 24-230VUC 2CO	24 V - 230 V UC	1123700000
2 CO RC Screw clamp			**2 CO RC Tension clamp**		
TRS 120VAC RC 2CO	120 V AC	1123550000	TRZ 120VAC RC 2CO	120 V AC	1123680000
TRS 230VAC RC 2CO	230 V AC	1123570000	TRZ 230VAC RC 2CO	230 V AC	1123690000
2 CO AU Screw clamp			**2 CO AU Tension clamp**		
TRS 5VDC 1CO AU	5 V DC	1122980000	TRZ 5VDC 1CO AU	5 V DC	1123100000
TRS 12VDC 1CO AU	12 V DC	1122990000	TRZ 12VDC 1CO AU	12 V DC	1123110000
TRS 24VDC 1CO AU	24 V DC	1123000000	TRZ 24VDC 1CO AU	24 V DC	1123120000
TRS 24VUC 1CO AU	24 V UC	1123010000	TRZ 24VUC 1CO AU	24 V UC	1123130000
TRS 48VUC 1CO AU	48 V UC	1123020000	TRZ 48VUC 1CO AU	48 V UC	1123140000
TRS 60VUC 1CO AU	60 V UC	1123030000	TRZ 60VUC 1CO AU	60 V UC	1123150000
TRS 120VUC 1CO AU	120 V UC	1123040000	TRZ 120VUC 1CO AU	120 V UC	1123170000
TRS 230VUC 1CO AU	230 V UC	1123050000	TRZ 230VUC 1CO AU	230 V UC	1123180000
TRS 24-230VUC 1CO AU	24 V - 230 V UC	1123090000	TRZ 24-230VUC 1CO AU	24 V - 230 V UC	1123210000
2 CO RC AU Screw clamp			**2 CO RC AU Tension clamp**		
TRS 120VAC RC 2CO AU	120VUC	1123800000	TRZ 120VAC RC 2CO AU	120VUC	1123920000
TRS 230VAC RC 2CO AU	230VUC	1123810000	TRZ 230VAC RC 2CO AU	230VUC	1123930000

TERMSERIES adapters - TIAL F10

- Suitable for input and output logic
- Version for 8x 12.8 mm TERMSERIES base
- Supply connections (PUSH IN) designed double for simple supply voltage bridging
- User-friendly and unique markings
- 10-pole connecting plug according to DIN EN 60603-13

TERMSERIES interface adapter

TIAL F10

Product name	Supply voltage	Rated voltage	Current (per signal path), max.	Number of signal paths	Depth x width x height	Order number
TIAL F10	24 V DC ± 20 %	24 V DC	1 A	8	62 / 102 / 43	1463540000

TERMSERIES solid-state relays

- Space-saving 6.4 mm width
- 5 cross connection level
- Screw and tension connection
- Pluggable modules

Control: Fixed voltages or universal
Load: 3...48 V DC / 100 mA
3...33 V DC / 2 A
24...230 V AC / 1 A

TERMSERIES solid state relays RC

- For protection against leakage currents on the control side

TERMSERIES solid-state relays 3A, 5A

- Universal control voltage 24-230VUC (AC/DC)
- Highly visible indication
- Switching to 300Hz

Control: 24V DC or universal 24-230V AC
Load: 3...33 V DC / 3.5A
12...275 V AC / 1A

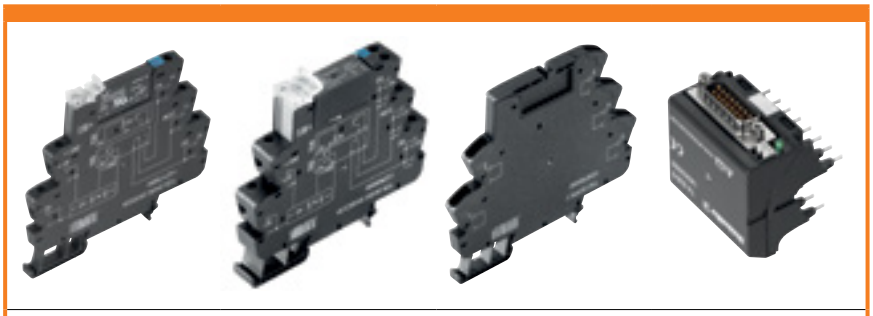
Accessories

Type	No. of poles	Colour	Order No.
ZQV 1.5N/R6.4/2 GE	2 / 6.4 mm	Yellow	1193670000
ZQV 1.5N/R6.4/10 GE	10 / 6.4 mm	Yellow	1193680000
ZQV 1.5N/R6.4/19 GE	19 / 6.4 mm	Yellow	1193690000
ZQV 1.5N/R12.8/10 GE	10 / 12.8 mm	Yellow	1193700000
ZQV 1.5N/R6.4/10 SW	10 / 6.4 mm	Black	1391630000
ZQV 1.5N/R6.4/19 SW	19 / 6.4 mm	Black	1391600000
ZQV 1.5N/R6.4/10 RT	10 / 6.4 mm	Red	1391640000
ZQV 1.5N/R6.4/19 RT	19 / 6.4 mm	Red	1391610000
ZQV 1.5N/R6.4/10 BL	10 / 6.4 mm	Blue	1390350000
ZQV 1.5N/R6.4/19 BL	19 / 6.4 mm	Blue	1391620000
Type	**Connection technology**		**Order No.**
TXS SUPPLY	Screw connection		1240780000
TXZ SUPPLY	Tension clamp connection		1240790000
Type	**Note**		
TW TXS/TXZ R3.2	Isolation plate 3.2 mm		1240800000
	Isolation plate - small		1818400000
	Isolation plate - large		1112930000

TERMSERIES Adapter

Type	Version	Order No.
TIA F10	8x 6.4 mm	1463520000
TIA SUBD 15S	8x 6.4 mm	1463530000
TIAL F20	16x 6.4 mm	1463550000
TIAL F10	8x 12.8 mm	1463540000

TERMSERIES



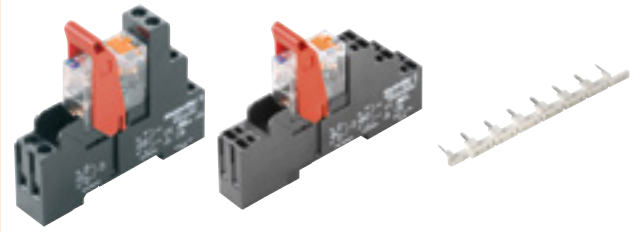
Solid-state relay | Solid-state relay 3A, 5A | Isolation plate | TERMSERIES Adapter

Product name	Rated Control Voltage	Order number	Product name	Rated Control Voltage	Order number
Screw clamp 0.1A, 3-48V DC			**Tension clamp 0.1A, 3-48V DC**		
TOS 5VDC 48VDC 0,1A	5 V DC	1126920000	TOZ 5VDC 48VDC 0,1A	5 V DC	1127030000
TOS 12VDC 48VDC 0,1A	12 V DC	1126930000	TOZ 12VDC 48VDC 0,1A	12 V DC	1127040000
TOS 24VDC 48VDC 0,1A	24 V DC	1126940000	TOZ 24VDC 48VDC 0,1A	24 V DC	1127050000
TOS 24VUC 48VDC 0,1A	24 V UC	1126950000	TOZ 24VUC 48VDC 0,1A	24 V UC	1127060000
TOS 48VUC 48VDC 0,1A	48 V UC	1126960000	TOZ 48VUC 48VDC 0,1A	48 V UC	1127070000
TOS 60VUC 48VDC 0,1A	60 V UC	1126970000	TOZ 60VUC 48VDC 0,1A	60 V UC	1127080000
TOS 120VUC 48VDC 0,1A	120 V UC	1126980000	TOZ 120VUC 48VDC 0,1A	120 V UC	1127090000
TOS 230VUC 48VDC 0,1A	230 V UC	1126990000	TOZ 230VUC 48VDC 0,1A	230 V UC	1127100000
TOS 24-230VUC 48VDC 0,1A	24 V - 230 V UC	1127020000	TOZ 24-230VUC 48VDC 0,1A	24 V - 230 V UC	1127130000
RC Screw clamp 0.1A, 3-48V DC			**RC Tension clamp 0.1A, 3-48V DC**		
TOS 120VAC RC 48VDC0,1A	120VAC	1127000000	TOZ 120VAC RC 48VDC0,1A	120VAC	1127110000
TOS 230VAC RC 48VDC0,1A	230VAC	1127010000	TOZ 230VAC RC 48VDC0,1A	230VAC	1127120000
Screw clamp 1A, 24-230V AC			**Tension clamp 1A, 24-230V AC**		
TOS 5VDC 230VAC 1A	5 V DC	1127390000	TOZ 5VDC 230VAC 1A	5 V DC	1127510000
TOS 12VDC 230VAC 1A	12 V DC	1127400000	TOZ 12VDC 230VAC 1A	12 V DC	1127520000
TOS 24VDC 230VAC 1A	24 V DC	1127410000	TOZ 24VDC 230VAC 1A	24 V DC	1127530000
TOS 24VUC 230VAC 1A	24 V UC	1127420000	TOZ 24VUC 230VAC 1A	24 V UC	1127540000
TOS 48VUC 230VAC 1A	48 V UC	1127430000	TOZ 48VUC 230VAC 1A	48 V UC	1127550000
TOS 60VUC 230VAC 1A	60 V UC	1127440000	TOZ 60VUC 230VAC 1A	60 V UC	1127570000
TOS 120VUC 230VAC 1A	120 V UC	1127450000	TOZ 120VUC 230VAC1A	120 V UC	1127580000
TOS 230VUC 230VAC 1A	230 V UC	1127470000	TOZ 230VUC 230VAC1A	230 V UC	1127590000
TOS 24-230VUC 230VAC 1A	24 V - 230 V UC	1127500000	TOZ 24-230VUC 230VAC1A	24 V - 230 V UC	1127620000
RC Screw clamp 1A, 24-230V AC			**RC Tension clamp 1A, 24-230V AC**		
TOS 120VAC RC 230VAC1A	120VAC	1127480000	TOZ 120VAC RC 230VAC1A	120VAC	1127600000
TOS 230VAC RC 230VAC1A	230VAC	1127490000	TOZ 230VAC RC 230VAC1A	230VAC	1127610000
Screw clamp 2A, 3-33V DC			**Tension clamp 2A, 3-33V DC**		
TOS 5VDC 24VDC 2A	5 V DC	1127140000	TOZ 5VDC 24VDC2A	5 V DC	1127270000
TOS 12VDC 24VDC 2A	12 V DC	1127150000	TOZ 12VDC 24VDC2A	12 V DC	1127280000
TOS 24VDC 24VDC 2A	24 V DC	1127170000	TOZ 24VDC 24VDC2A	24 V DC	1127290000
TOS 24VUC 24VDC 2A	24 V UC	1127180000	TOZ 24VUC 24VDC2A	24 V UC	1127300000
TOS 48VUC 24VDC 2A	48 V UC	1127190000	TOZ 48VUC 24VDC2A	48 V UC	1127310000
TOS 60VUC 24VDC 2A	60 V UC	1127200000	TOZ 60VUC 24VDC2A	60 V UC	1127320000
TOS 120VUC 24VDC 2A	120 V UC	1127210000	TOZ 120VUC 24VDC2A	120 V UC	1127330000
TOS 230VUC 24VDC 2A	230 V UC	1127220000	TOZ 230VUC 24VDC2A	230 V UC	1127340000
TOS 24-230VUC 24VDC 2A	24 V - 230 V UC	1127250000	TOZ 24-230VUC 24VDC2A	24 V - 230 V UC	1127380000
RC Screw clamp 2A, 3-33V DC			**RC Tension clamp 2A, 3-33V DC**		
TOS 120VAC RC 24VDC2A	120VAC	1127230000	TOZ 120VAC RC 24VDC2A	120VAC	1127350000
TOS 230VAC RC 24VDC2A	230VAC	1127240000	TOZ 230VAC RC 24VDC2A	230VAC	1127370000
Screw clamp 1A, 12-275V AC			**Tension clamp 1A, 12-275V AC**		
TOS 24VDC 230VAC 3A	24VDC	1127680000	TOZ 24VDC 230VAC3A	24VDC	1127700000
TOS 24-230VUC 230VAC 3A	24V - 230V UC	1127690000	TOZ 24-230VUC 230VAC3A	24V - 230V UC	1127710000
Screw clamp 3.5A, 12-275V AC			**Tension clamp 3.5A, 12-275V AC**		
TOS 24VDC 24VDC 5A	24VDC	1127630000	TOZ 24VDC 24VDC5A	24VDC	1127650000
TOS 24-230VUC 24VDC 5A	24V - 230V UC	1127640000	TOZ 24-230VUC 24VDC5A	24V - 230V UC	1127650000

RCI KIT with screw connection

- Kit includes relay, base & hold down clip
- 4.000 VA switching capacity
- Stable plug-in connections
- LED (AC red / DC green) integrated in relay module
- Protective suppressor circuit for DC coil
- Optional test button with latching function and inspection window
- Identification of coils (AC red / DC blue)

RIDERSERIES RCI KIT



1 CO 2 CO SRC-IQVS

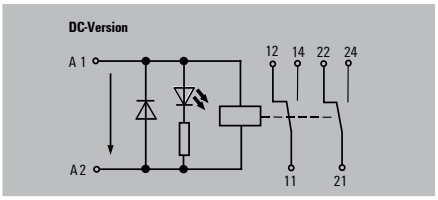
Product name	Rated control voltage	Order number	Product name	Rated control voltage	Order number
1 CO w. test button			**1 CO w.o. test button**		
RCIKIT 24VDC 1CO LD/PB	24 V DC	**8881580000**	RCIKIT 24VDC 1CO LED	24 V DC	**8871000000**
RCIKIT 24VAC 1CO LD/PB	24 V AC	**8881590000**	RCIKIT 24VAC 1CO LED	24 V AC	**8871010000**
RCIKIT 230VAC 1CO LD/PB	230 V AC	**8881600000**	RCIKIT 230VAC 1CO LED	230 V AC	**8871020000**
2 CO w. test button			**2 CO w.o. test button**		
RCIKIT 24VDC 2CO LD/PB	24 V DC	**8881610000**	RCIKIT 24VDC 2CO LED	24 V DC	**8871030000**
RCIKIT 24VAC 2CO LD/PB	24 V AC	**8881620000**	RCIKIT 24VAC 2CO LED	24 V AC	**8871040000**
RCIKIT 230VAC 2CO LD/PB	230 V AC	**8881630000**	RCIKIT 230VAC 2CO LED	230 V AC	**8871050000**
Accessories					
SRC-IQVS	Jumper to common 1CO and 2CO relays– coil points or contact points				**1132070000**

LED and protective modules for the SRC-I plug-in bases

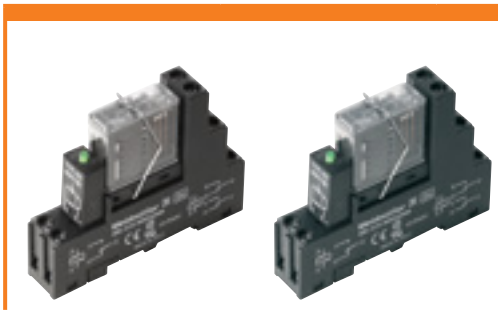
Product name	Description	Qty.	Order number	Order number
RIM-I 1 6/230V	Free Wheel diode 1N4007	10	**8869580000**	
RIM-I 1 R 110/230V	Resistor 100 kΩ 1 Watt	10	**8870830000**	
RIM-I 3 6/60VAC	RC-element 6 ... 60 V AC; 470 Ω / 220 nF	10	**8869770000**	
RIM-I 3 110/230VAC	RC-element 110 ... 230 V AC; 4.7 Ω / 10 nF	10	**8869790000**	
RIM-I 4 24VUC	Varistor protection 24 V; S07K30	10	**8869710000**	
RIM-I 4 110VUC	Varistor protection 110 V; S07K130	10	**8869730000**	
RIM-I 4 230VUC	Varistor protection 230 V; S07K275	10	**8869750000**	
LED			**red**	**green**
RIM-I 2 6/24VDC	LED 6 ... 24 V DC with free wheel diode	10	**8869590000**	**8869600000**
RIM-I 2 24/60VDC	LED 24 ... 60 V DC with free wheel diode	10	**8869670000**	**8869680000**
RIM-I 2 110/230VDC	LED 110 ... 230 V DC with free wheel diode	10	**8869690000**	**8869700000**
RIM-I 3 6/24VUC	LED 6 ... 24 V DC / V AC	10	**8869630000**	**8869640000**
RIM-I 3 24/60VUC	LED 24 ... 60 V DC / V AC	10	**8869610000**	**8869620000**
RIM-I 3 110/230VUC	LED 110 ... 230 V DC / V AC	10	**8869650000**	**8869660000**

RCI KIT with forcibly guided contacts 2 CO DC coil

Modular system comprising of:
- Relay socket for rail mounting
- LED indicator unit
- Retaining clip
- Pluggable relay modules
- Markers



RIDERSERIES FG



Product name	Rated switching voltage / Continuous current	Order number
RCIKIT 24VDC 2CO LD/FG	250 V AC / 6 A	**1218410000**

DRM relay

- Small size with high sensitivity
- Reasonable structure with wide usage
- Various types available
- Approvals with UL/CSA TÜV

DRM relay bases

- Logical bases in 2 CO or 4 CO
  - Accepts functional modules
  - Rated current: 2 CO: 12 A, 4 CO: 6 A
  - Rated voltage: 240 V AC
  - Ambient temperature: -45 °C ...+70 °C
  - Stripping length: screw connection 8 mm

- DRM, economic base 2 CO: 10 A, 4 CO: 5 A
- DRM hybrid base 2 CO: 12 A, 4 CO: 10 A
  - Rated current: 2 CO: 12 A, 4 CO: 6 A
  - Rated voltage: 300 V AC
  - Ambient temperature: -40 °C ...+70 °C

Accessories

Description	Type	Qty.	Order No.
Plastic retaining clip	SCM-I CLIP P	10	8869440000
Metal retaining clip	SCM-I CLIP M	10	8869450000
Markers			
Marker	SCM-I MARK	10	8869460000
Marker, Multicard	ESG 9/11 K MC neutral	200	1857440000
Mark for SRC ECO relay base			7760056180
Metal clip (recommended for vibration applications)			
DRM clip M (for DRM relay)			7760056108
Metal clip set (for DRM relay, with FS ECO base)			7760056128

DRM relay

DRM 270 relay | DRM 570 relay | Logical base | Economic base | Hybrid base

Product name	Rated control voltage	Max. switching voltage	Load (resistive)	Order number
DRM 270 2CO				
DRM270012	12 V DC	250 V AC	10 A / 250 V AC	7760056050
DRM270524	24 V AC	250 V AC	10 A / 250 V AC	7760056055
DRM270024	24 V DC	250 V AC	10 A / 250 V AC	7760056051
DRM270548	48 V AC	250 V AC	10 A / 250 V AC	7760056056
DRM270048	48 V DC	250 V AC	10 A / 250 V AC	7760056052
DRM270110	110V DC	250 V AC	10 A / 250 V AC	7760056053
DRM270615	115 V AC	250 V AC	10 A / 250 V AC	7760056057
DRM270220	220V DC	250 V AC	10 A / 250 V AC	7760056054
DRM270730	230 V AC	250 V AC	10 A / 250 V AC	7760056058
DRM 270 2CO w. LED				
DRM270524L	24 V AC	250 V AC	10 A / 250 V AC	7760056064
DRM270024L	24 V DC	250 V AC	10 A / 250 V AC	7760056060
DRM270730L	230 V AC	250 V AC	10 A / 250 V AC	7760056067
DRM 270 2CO w. LED and test lever				
DRM270524LT	24 V AC	250 V AC	10 A / 250 V AC	7760056073
DRM270024LT	24 V DC	250 V AC	10 A / 250 V AC	7760056069
DRM270730LT	230 V AC	250 V AC	10 A / 250 V AC	7760056076
DRM 270 2CO w. suppressor diode				
DRM270024LD	24 V DC	250 V AC	10 A / 250 V AC	7760056077
DRM 570 4CO				
DRM570012	12 V DC	250 V AC	5 A / 250 V AC	7760056078
DRM570524	24 V AC	250 V AC	5 A / 250 V AC	7760056083
DRM570024	24 V DC	250 V AC	5 A / 250 V AC	7760056079
DRM570548	48 V AC	250 V AC	5 A / 250 V AC	7760056084
DRM570048	48 V DC	250 V AC	5 A / 250 V AC	7760056080
DRM570110	110V DC	250 V AC	5 A / 250 V AC	7760056081
DRM570615	115 V AC	250 V AC	5 A / 250 V AC	7760056085
DRM570220	220V DC	250 V AC	5 A / 250 V AC	7760056082
DRM570730	230 V AC	250 V AC	5 A / 250 V AC	7760056086
DRM 570 4CO w. LED				
DRM570524L	24 V AC	250 V AC	5 A / 250 V AC	7760056092
DRM570024L	24 V DC	250 V AC	5 A / 250 V AC	7760056088
DRM570730L	230 V AC	250 V AC	5 A / 250 V AC	7760056095
DRM 570 4CO w. LED and test lever				
DRM570524LT	24 V AC	250 V AC	5 A / 250 V AC	7760056101
DRM570024LT	24 V DC	250 V AC	5 A / 250 V AC	7760056097
DRM570730LT	230 V AC	250 V AC	5 A / 250 V AC	7760056104
DRM 570 4CO w. suppressor diode				
DRM570220LT	24 V DC	250 V AC	5 A / 250 V AC	7760056100

DRM relay bases

Product name	Type	Description	Order number
SCM-I 2CO	Plug-in module with screw connection	snaps onto TS35 DIN mounting rail, 2-pole	1105880000
SCM-I 4CO	Plug-in module with screw connection	snaps onto TS35 DIN mounting rail, 2-pole	1105890000
FS 2CO F ECO	Economic base	Functional module is not suitable	1190740000
FS 4CO F ECO	Economic base	Functional module is not suitable	1190740000
FS 2CO	Hybrid base	Functional module is not suitable	7760056106
FS 2CO RL	Hybrid base	accepts functional modules	7760056129
FS 4CO	Hybrid base	accepts functional modules	7760056107

DRL power relay

- 250V AC / 10A switching
- Arc shield
- High dielectric strength: 2,000 V
- Approvals with UL/CSA TÜV

Accessories

Description	Type	Order No.
Metal clips SLD F 2CO	Metal clip	7760056108
Metal clips SLD F 4CO	SLD clip 4CO	7760056235

DRL power relay

DRL 2 CO relay | DRL 4 CO relay | SLD F 2CO | SLD F 4CO

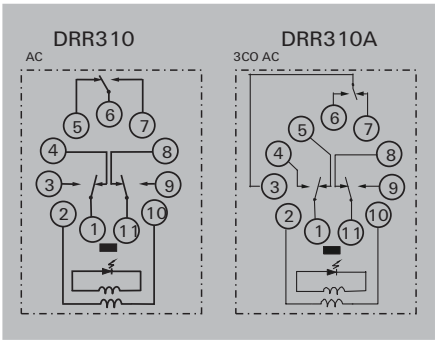
Product name	Rated control voltage	Max. switching voltage	Continuous current	Order number
DRL 2CO				
DRL270012L	12 V DC	250 V AC	10A @ 2CO	**1133510000**
DRL270524L	24 V AC	250 V AC	10A @ 2CO	**1133870000**
DRL270024L	24 V DC	250 V AC	10A @ 2CO	**1133520000**
DRL270048L	48 V DC	250 V AC	10A @ 2CO	**1133530000**
DRL270110L	110 V DC	250 V AC	10A @ 2CO	**1133540000**
DRL270615L	115 V AC	250 V AC	10A @ 2CO	**1133880000**
DRL270220L	220 V DC	250 V AC	10A @ 2CO	**1133550000**
DRL270730L	230 V AC	250 V AC	10A @ 2CO	**1133890000**
DRL 4CO				
DRL570012L	12 V DC	250 V AC	10A	**1133620000**
DRL570524L	24 V AC	250 V AC	10A	**1133940000**
DRL570024L	24 V DC	250 V AC	10A	**1133630000**
DRL570048L	48 V DC	250 V AC	10A	**1133640000**
DRL570110L	110 V DC	250 V AC	10A	**1133650000**
DRL570615L	115 V AC	250 V AC	10A	**1133950000**
DRL570220L	220 V DC	250 V AC	10A	**1133660000**
DRL570730L	230 V AC	250 V AC	10A	**1133960000**
DRL relay bases SLD				
SLD F 2CO		300 V AC	10A	**7760056225**
SLD F 4CO		300 V AC	10A	**7760056227**

Functional modules

Product name	Description	Order number
2CO		
RIM 1 6/230 V DC	Suppressor diode 6...230 V DC	**7760056169**
RIM 3 110/230 V AC	RC-combined protection110...230 V AC	**7760056014**
RIM 3 110/230 V AC LED	RC-combined protection110...230 V AC with LED	**7760056045**
RIM 2 6/24 V DC	Green LED 6...24 V DC with suppressor diode	**7760056015**
RIM 2 24/60 V DC	Green LED 24...60 V DC with suppressor diode	**7760056016**
RIM 2 110/230 V DC	Green LED 110...230 V DC with suppressor diode	**7760056017**
RIM 3 6/24 V UC	Green LED 6...24 V DC / V AC	**7940018457**
RIM 3 24/60 V UC	Green LED 24...60 V DC / V AC	**7760056018**
RIM 3 110/230 V UC	Green LED 110...230 V DC / V AC	**7940018455**
4CO		
RIM 5 6/230 V AC	RC protection	**1174670000**
RIM 5 6/230 V DC	Protective diode	**1174650000**

DRR octal power relay

- 2500 VA switchover capacity
- 8-pin octal plug in DIN rail installation
- Approvals with UL/CSA TÜV



Accessories

Description	Type	Order No.
Base 8 pin	Metal clip	1132810000
Base 11 pin	SLD clip 4CO	1132820000
Metal holding clip	For DRR base	1134160000

DRR octal power relay

DRR 2CO | DRR 3CO | SRD ECO 2CO | SRD ECO 3CO

Product name	Rated control voltage	Max. switching voltage	Continuous current	Order number
DRR 2CO				
DRR270012L	12 V DC	250 V AC	10A	**1133360000**
DRR270524L	24 V AC	250 V AC	10A	**1133760000**
DRR270024L	24 V DC	250 V AC	10A	**1133370000**
DRR270048L	48 V DC	250 V AC	10A	**1133380000**
DRR270110L	110 V DC	250 V AC	10A	**1133390000**
DRR270615L	115 V AC	250 V AC	10A	**1133780000**
DRR270220L	220 V DC	250 V AC	10A	**1133400000**
DRR270730L	230 V AC	250 V AC	10A	**1133800000**
DRR 3CO				
DRR370012L	12 V DC	250 V AC	10A	**1133410000**
DRR370012L-A	12 V DC	250 V AC	10A	**7760056250**
DRR370524L	24 V AC	250 V AC	10A	**1133810000**
DRR370524L-A	24 V AC	250 V AC	10A	**7760056255**
DRR370024L	24 V DC	250 V AC	10A	**1133420000**
DRR370024L-A	24 V DC	250 V AC	10A	**7760056251**
DRR370048L	48 V DC	250 V AC	10A	**1133430000**
DRR370048L-A	48 V DC	250 V AC	10A	**7760056252**
DRR370110L	110 V DC	250 V AC	10A	**1133440000**
DRR370110L-A	110 V DC	250 V AC	10A	**7760056253**
DRR370615L	115 V AC	250 V AC	10A	**1133820000**
DRR370615L-A	115 V AC	250 V AC	10A	**7760056256**
DRR370220L	220 V DC	250 V AC	10A	**1133560000**
DRR370220L-A	220 V DC	250 V AC	10A	**7760056254**
DRR370730L	230 V AC	250 V AC	10A	**1133830000**
DRR370730L-A	230 V AC	250 V AC	10A	**7760056257**
DRR relay bases				
SRD ECO 2CO		300 V AC	12 A	**1132810000**
SRD ECO 3CO		300 V AC	12 A	**1132820000**

*Note 2CO does not support functional modules

Functional modules (3CO only)

Product name	Description	Order number
RIM 5 6/230 V AC	RC protection	**1174670000**
RIM 5 6/230 V DC	Protective diode	**1174650000**

DRH DC Relay

- Suitable to switch heavy DC loads
- Arc shield
- With LED and test lever
- International approval CE TÜV CE

DRW Power Relay

- Suitable to switch high voltage AC loads
- With LED and test lever
- Approvals with UL TÜV CE

Accessories

Description	Type	Order No.
For DRH/DRW	Metal clip	1220260000

DRH DC/ DRW AC Relay

DRH 1 N.O. or 1 N.C. | DRH 2 N.O. or 1 N.C. / 1 N.O. | DRW 2CO / 3CO | SPW ECO 3CO

Product name	Rated control voltage	Order number	Product name	Rated control voltage	Order number
DRH 1 N.O.			**DRH 1 N.C.**		
DRH173012LT	12 V DC	**1219840000**	DRH174012LT	12 V DC	**1219940000**
DRH173524LT	24 V AC	**1219890000**	DRH174524LT	24 V AC	**1219990000**
DRH173024LT	24 V DC	**1219850000**	DRH174024LT	24 V DC	**1219950000**
DRH173548LT	48 V AC	**1219910000**	DRH174548LT	48 V AC	**1220010000**
DRH173048LT	48 V DC	**1219860000**	DRH174048LT	48 V DC	**1219960000**
DRH173110LT	110 V DC	**1219870000**	DRH174110LT	110 V DC	**1219970000**
DRH173615LT	115 V AC	**1219920000**	DRH174615LT	115 V AC	**1220020000**
DRH173220LT	220 V DC	**1219880000**	DRH174220LT	220 V DC	**1219980000**
DRH173730LT	230 V AC	**1219930000**	DRH174730LT	230 V AC	**1220030000**
DRH 1 N.O. / N.C.			**DRH 2 N.O.**		
DRH275012LT	12 V DC	**1220040000**	DRH276012LT	12 V DC	**1220140000**
DRH173524LT	24 V AC	**1219890000**	DRH174524LT	24 V AC	**1219990000**
DRH275024LT	24 V DC	**1220050000**	DRH276024LT	24 V DC	**1220150000**
DRH173548LT	48 V AC	**1219910000**	DRH174548LT	48 V AC	**1220010000**
DRH275048LT	48 V DC	**1220060000**	DRH276048LT	48 V DC	**1220170000**
DRH275110LT	110 V DC	**1220070000**	DRH276110LT	110 V DC	**1220180000**
DRH173615LT	115 V AC	**1219920000**	DRH276615LT	115 V AC	**1220220000**
DRH275220LT	220 V DC	**1220080000**	DRH276220LT	220 V DC	**1220190000**
DRH173730LT	230 V AC	**1219930000**	DRH276730LT	230 V AC	**1220230000**
DRW 2CO			**DRW 3CO**		
DRW270012LT	12 V DC	**1219730000**	DRW370012LT	12 V DC	**1219780000**
DRW270524LT	24 V AC	**1219350000**	DRW370524LT	24 V AC	**1219410000**
DRW270024LT	24 V DC	**1219740000**	DRW370024LT	24 V DC	**1219790000**
DRW270548LT	48 V AC	**1219360000**	DRW370548LT	48 V AC	**1219420000**
DRW270048LT	48 V DC	**1219750000**	DRW370048LT	48 V DC	**1219810000**
DRW270110LT	110 V DC	**1219760000**	DRW370110LT	110 V DC	**1219820000**
DRW270615LT	115 V AC	**1219370000**	DRW370615LT	115 V AC	**1219430000**
DRW270220LT	220 V DC	**1219770000**	DRW370220LT	220 V DC	**1219830000**
DRW2701730LT	230 V AC	**1219380000**	DRW370730LT	230 V AC	**1219440000**
DRW270900LT	400 V AC	**1219390000**	DRW370900LT	400 V AC	**1219450000**

DRH/DRW relay bases

SPW ECO 3CO	Relay base, for DRH and DRW relays	**1220250000**

Functional modules

Product name	Description	Order number
RIM 5 6/230 V AC	RC protection	**1174670000**
RIM 5 6/230 V DC	Protective diode	**1174650000**

PWR high power relay

- Max. load current: 30 A
- DIN rail mount
- Approvals with UL TÜV CE

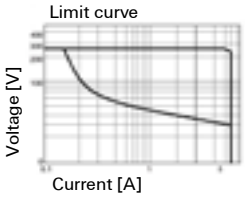
PWR high power relay

PWR 1 N.O. PWR 2 N.O.

Product name	Rated control voltage	Max. switching voltage	Continuous current	Order number
PWR 1 N.O. DIN rail				
PWR173006L	6 V DC	277 V AC	30 A	**1219460000**
PWR173012L	12 V DC	277 V AC	30 A	**1219470000**
PWR173024L	24 V DC	277 V AC	30 A	**1219480000**
PWR173048L	48 V DC	277 V AC	30 A	**1219490000**
PWR173110L	110 V DC	277 V AC	30 A	**1219510000**
PWR173220L	220 V DC	277 V AC	30 A	**1219520000**
PWR173524L	24 V AC	277 V AC	30 A	**1219090000**
PWR173548L	48 V AC	277 V AC	30 A	**1219120000**
PWR173615L	115 V AC	277 V AC	30 A	**1219130000**
PWR173730L	230 V AC	277 V AC	30 A	**1219140000**
PWR173880L	380 V AC	277 V AC	30 A	**1219150000**
PWR 2 N.O. DIN rail				
PWR276006L	6 V DC	277 V AC	25 A	**1219530000**
PWR276012L	12 V DC	277 V AC	25 A	**1219540000**
PWR276024L	24 V DC	277 V AC	25 A	**1219550000**
PWR276048L	48 V DC	277 V AC	25 A	**1219560000**
PWR276110L	110 V DC	277 V AC	25 A	**1219570000**
PWR276220L	220 V DC	277 V AC	25 A	**1219580000**
PWR276524L	24 V AC	277 V AC	25 A	**1219160000**
PWR276548L	48 V AC	277 V AC	25 A	**1219170000**
PWR276615L	115 V AC	277 V AC	25 A	**1219180000**
PWR276730L	230 V AC	277 V AC	25 A	**1219190000**
PWR276880L	380 V AC	277 V AC	25 A	**1219220000**

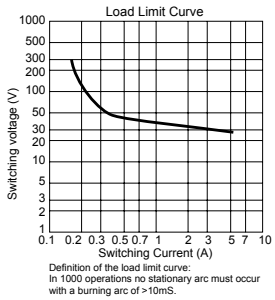
MC5R-NEO

- High noise immunity rejects industrial noise
- Rejects interference
- Ultra compact 6mm wide housing
- Change-over contact
- Combifoot housing: TS32 & TS35
- 4000Vrms isolation
- LED relay state indication
- Input diode protection
- Coil back-EMF diode protection



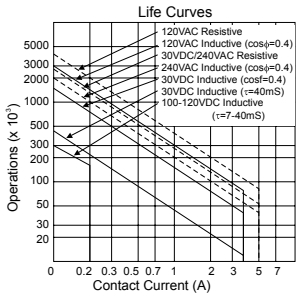
MC5R single channel change-over

- Ultra compact 6mm wide housing
- Change-over contact
- 6A/240V AC rated
- Combifoot housing: TS32 & TS35
- 4000Vrms isolation
- LED relay state indication
- Input diode protection
- Coil back-EMF diode protection


Load Limit Curve
Switching voltage (V)
Switching Current (A)
Definition of the load limit curve:
In 1000 operations no stationary arc must occur
with a burning arc of >10mS.

MC5R single channel, dual voltage

- Gold plated normally open contact
- Ultra compact 6mm wide 'Combifoot' housing suits TS32 & TS35
- 4000Vrms isolation
- LED relay state indication
- Reverse polarity diode protection
- Coil back-EMF diode protection



MC5R-NEO

Product name	Input DC (V)	Turn on voltage/ current	Turn off voltage/ current	Nom. Switching Capacity	Min. Switching Capacity	Order number
MC5R-NEO	24 V DC	16.3V / 4.14mA ±10%	14.1V / 1.38mA ±10%	250V AC 6A, 30V DC 6A (resistive)	12 V DC, 500mA	**7940009903**
MC5R-NEO (Au)	24 V DC	16.3V / 4.14mA ±10%	14.1V / 1.38mA ±10%	250V AC 6A, 30V DC 6A (resistive)	100m V DC, 0.1mA	**7940013020**

Note: AgNi (Silver nickel contacts), Au (Gold plated contacts)

MC5R single channel change-over

Product name	Input DC (V)	Nominal Switching Capacity	Minimum Switching Capacity	Order number
MC5R 12V DC (AgNi)	12V DC	250V AC 6A, 30V DC 6A (resistive)	12V DC, 500mA	**7901610000**
MC5R 24V DC (AgNi)	24V DC	250V AC 6A, 30V DC 6A (resistive)	12V DC, 500mA	**7901620000**
MC5R 48V DC (AgNi)	48V DC	250V AC 6A, 30V DC 6A (resistive)	12V DC, 500mA	**7901630000**
MC5R 240V AC (AgNi)	220/240V AC	250V AC 6A, 30V DC 6A (resistive)	12V DC, 500mA	**7901500000**
MC5R 120V AC (AgNi)	110/120V AC	250V AC 6A, 30V DC 6A (resistive)	12V DC, 500mA	**7901520000**
MC5R 12V DC (Au)	12V DC	250V AC 6A, 30V DC 6A (resistive)	100mVdc, 0.1mA	**7906840000**
MC5R 24V DC (Au)	24V DC	250V AC 6A, 30V DC 6A (resistive)	100mVdc, 0.1mA	**7906850000**
MC5R 48V DC (Au)	48V DC	250V AC 6A, 30V DC 6A (resistive)	100mVdc, 0.1mA	**7906860000**

Note: AgNi (Silver nickel contacts), Au (Gold plated contacts)

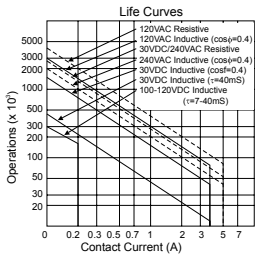
MC5R single channel, dual voltage

Product name	Input DC (V)	Nominal Switching Capacity	Minimum Switching Capacity	Order number
MC5R 12V/24V DC N/O	24V DC	250V AC 4A, 30V DC 4A (resistive)	100mV DC, 0.1mA	**7901540000**
MC5R 24V/48V DC N/O	48V DC	250V AC 4A, 30V DC 4A (resistive)	100mV DC, 0.1mA	**7901550000**
MC5R 12V/24V AC/DC N/O	24V AC/DC	250V AC 4A, 30V DC 4A (resistive)	100mV DC, 0.1mA	**7901560000**
MC5R 24V/48V AC/DC N/O	48V AC/DC	250V AC 4A, 30V DC 4A (resistive)	100mV DC, 0.1mA	**7901570000**

Note: AgNi (Silver nickel contacts), Au (Gold plated contacts)

MC5R single channel, logic

- Gold plated normally open contact
- Ultra compact 6mm wide 'Combifoot' housing suits TS32 & TS35
- 24V DC auxiliary pwd
- Low current input
- Coil back-EMF diode protection

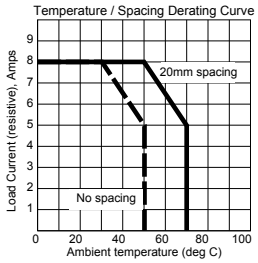


MC5R single channel TTL input

Product name	Input DC (V)	Nom. Switching Capacity	Min. Switching Capacity	Order number
MC5R Single NO Relay	5-15V DC < 0.4 mA (pwd)	250V C 4A, 30V DC 4A (resistive)	100mV DC, 0.1mA	**7901580000**

ECO30 single channel normally open relay

- Suits TS35 and TS32
- 24V AC/DC operation
- 4000Vrms isolation
- Coil back-EMF diode protection

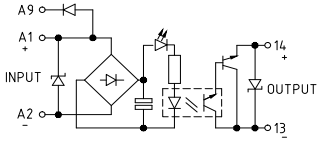


ECO30 single channel normally open relay, compact and reliable

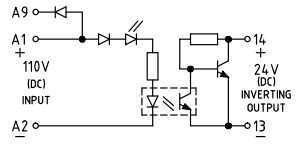
Product name	Input DC (V)	Nominal Switching Capacity	Minimum Switching Capacity	Order number
ECO30	24V AC/DC	250V AC 8A, 30V DC 8A (resistive)	5V DC, 100mA	**7940005581**

DO series slimline relay

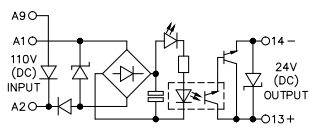
- Mounts on TS32 and TS35 DIN Rails
- Only 6mm wide
- LED indication
- Steering diode feature on input
- Conforms to all relevant IEC255 tests
- Inverting options



Circuit 1

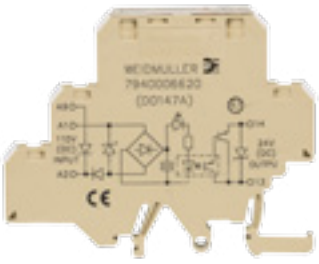


Circuit 2



Circuit 3

DO series slimline relay

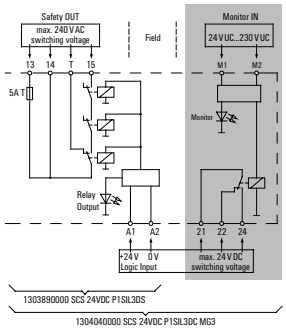


Product name	Circuit	Nominal input voltage	Nominal outout voltage	Order number
DO135A	Circuit 1	110V DC	24V DC	**7940008335**
DO147A	Circuit 3	110V DC	24V DC	**7940006620**
DO140A	Circuit 1	24V DC	110V DC*	**7940010804**
DO141A	Circuit 1	110V DC	110V DC*	**7940008334**
DO142A	Circuit 1	48V DC	110V DC*	**7940027570**
DO050A	Circuit 2	110V DC	24V DC	**7940008333**
DO051A	Circuit 2	110V DC	110V DC*	**7940085085**
DO052A	Circuit 2	24V DC	110V DC*	**7940046506**
DO053A	Circuit 2	48V DC	110V DC*	**7940046505**

*110V DC output versions can also switch 48V DC and 24V DC

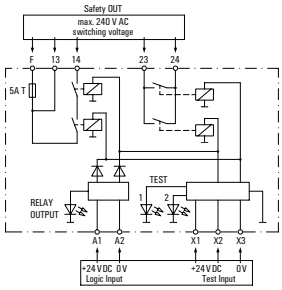
SIL3 relays - SCS 24 V DC P1SIL3DS

- With and without monitoring circuit
- Wide-range input voltage in the monitoring circuit
- Externally accessible fuse
- TÜV certified „Safety Approved"



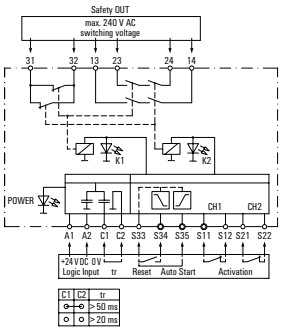
SIL3 relays - SCS 24 V DC P2SIL3DSES

- Energised / de-energised to safe
- All pins can be disconnected
- Test inputs for testing the relay contacts
- Externally accessible fuse
- TÜV certified „Safety Approved"



SIL3 relays - SCS 24 V DC P2SIL3ES

- Operating voltage - 22 V DC, from internal power supply
- Positively-driven contacts
- 2-channel design
- Insert according to EN 50156
- TÜV certified „Safety Approved"



Other Weidmüller SIL rated products are:

- SIL3 Low voltage surge protection VSPC/VSSC
- SIL3 u-remote safety modules
- SIL2 ACT20X Intrinsically safe Isolators. Page H.2

SAFESERIES SIL relays

SCS 24 V DC P1SIL3DS | SCS 24 V DC P2SIL3DSES | SCS 24 V DC P2SIL3ES

Product name	Rated control voltage	Max. switching current, internal fuse	Max. switching current, external fuse	Max. permitted switching current	Order number
SCS 24 V DC P1SIL3DS					
w. monitoring					
SCS 24VDC P1SIL3DS M	24 V DC ± 20%	5 A	5 A	8 A	**1303760000**
w.o. monitoring					
SCS 24VDC P1SIL3DS	24 V DC ± 20%	5 A	5 A	8 A	**1303890000**
w. monitoring and G3 gas-corrosion resistant					
SCS 24VDC P1SIL3DS MG3	24 V DC ± 20%	5 A	5 A	8 A	**1304040000**
SCS 24 V DC P2SIL3DSES					
SCS 24VDC P2SIL3DSES	24 V DC -15 / +20%	5 A	5 A*	8 A	**1319270000**
SCS 24 V DC P2SIL3ES					
SCS 24VDC P2SIL3ES	24 V DC ±15 %	-	-	8 A	**1319280000**

Safety Integrity Level

The IEC 61508 and the IEC 61511 also define a parameter for describing the acceptability of risk reduction measures called the safety integrity level (SIL). The SIL has four grades (SIL 1 to SIL 4) and describes the needed or achieved level of risk reduction, so that it quantifies safety-related performance. The least requirements per the standard are listed as SIL 1. Since the targeted level of safety can be reached through the proper execution of the safety function and when, in the event of an incident, the safety function can be correctly triggered by the danger resulting in safe conditions, one refers to the safety integrity of a system. The term "safety integrity level" is therefore self-explanatory.

Safety products have to pass a battery of tests before they can be certified or approved for a specific SIL; depending on the SIL, these tests may be conducted internally (SIL 1 or SIL 2) or by external experts (SIL 3 or SIL 4). The result is that either the manufacturer declares the product SIL-compliant or an independent testing institution (e.g. TÜV, DKRA, etc.) grants it a SIL certification. In the either case, the product documentation includes information on the device reliability. The testing is conducted per the regulations in the EN/IEC 61508.

Installation timer

- Screw or tension clamp connection
- Input rated voltage: 24 ... 230 V AC, 50/60 Hz, 24 ... 48 V DC
- Contact/contact material: 1 CO contact (BTDS 2 NOC) / AgNi 90/10
- 5 A at 250 V AC, resistive load (cos φ=1)
- LED status indicator

Input: voltage present **Output:** output active

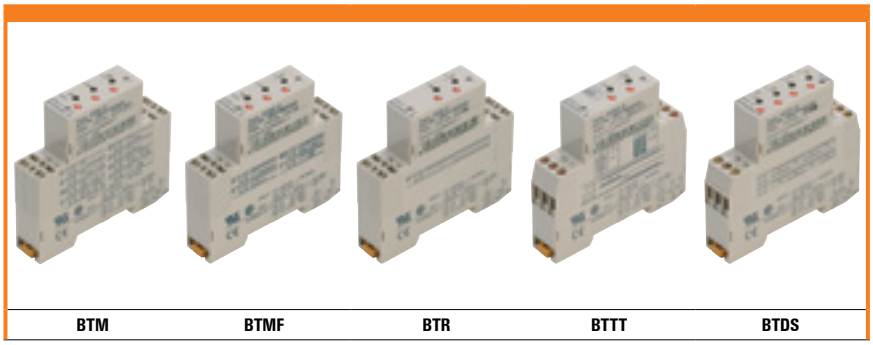
- Approvals

508	22.2 Nr. 14
EN 61812-1	IEC 60664-1
IEC 60947-5-1	EN 61812-1
IEC 60664-1	IEC 60947-5-1
EN 55011	EN 50082-2

Type designation:

B = **B**uilding
T = **T**imer
R = **R**esponse Delay
TT = **T**wo **T**imes
M = **M**ultifunction, 8 ranges
MF = **M**ultifunction, 4 ranges
DS = **D**elta, **S**tar
S = **S**crew
Z = **T**ension

Installation timer



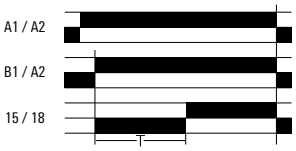
BTM BTMF BTR BTTT BTDS

Product name	Connection type	Description	Order number
BTM			
BTM-S	Screw connection	Multifunction relay with control input	**8647700000**
BTMF			
BTMF-S	Screw connection	Multi-function relay without control input	**8647680000**
BTR			
BTR-S	Screw connection	On delay timer	**8647720000**
BTTT			
BTTT-S	Screw connection	Repetitive timer	**8647740000**
BTDS			
BTDS-S	Screw connection	Timer	**8647660000**

Functions

Function A – on-delay

Connect power supply (A1/A2). When the input signal (B1/A2) is applied, the set time T begins to delay. After the time has expired, the output R (15/18) disconnects the load. To reset, the input signal needs to be switched off.



Function B – pulse emitter (starting at normal position)

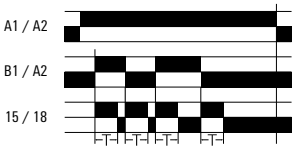
Connect power supply (A1/A2). After applying the input signal (B1/A2), output R (15/18) switches the load synchronously and alternately between the normal and operated positions within the set time T. In this function, the cycle starts at the normal position.

Function B2 – pulse emitter (starting at operated position)

Connect power supply (A1/A2). After applying the input signal (B1/A2), output R (15/18) switches the load synchronously and alternately between the normal and operated positions within the set time T. In this function, the cycle starts at the operated position.

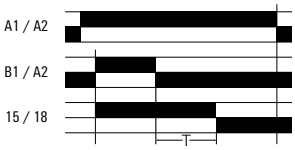
Function C – interval time-delay

Connect power supply (A1/A2). After applying the input signal (B1/A2), output R (15/18) connects the load for the set time T. Output R (15/18) switches the load off again at the end of time T.
After switching off the input signal (B1/A2), output R (15/18) connects the load again for the set time T. Output R (15/18) switches the load off again at the end of time T.



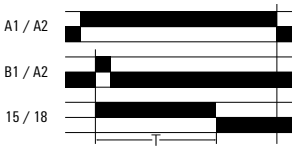
Function D – off-delay function

Connect power supply (A1/A2). After applying the input signal (B1/A2), output R (15/18) connects the load.
The time delay T begins after the input signal (B1/A2) has been switched off. At the end of time T, output R (15/18) switches the load off again.



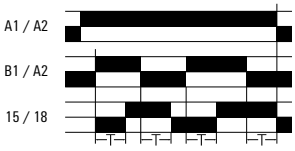
Function E – passing make function

Connect power supply (A1/A2). After applying the input signal (B1/A2), output R (15/18) connects the load immediately. At the end of the set delay time T, output R (15/18) switches the load off again.



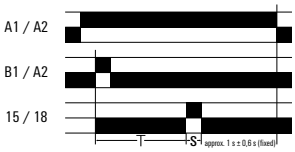
Function G – on and off-delay function

Connect power supply (A1/A2). Time delay T begins after applying the input signal (B1/A2). At the end of this time, output R (15/18) connects the load (on-delayed). After the input signal (B1/A2) has been switched off again, the output switches the load off again after the set time (off-delayed).



Function J – on-delay with pulse

Connect power supply (A1/A2). Time delay T begins after applying the input signal (B1/A2). At the end of this time, the output R (15/18) connects the load for 1 second.



Termopto
Terminal size optical isolator

- Space saving 6.1mm width
- Plug in cross connections
- Screw or Push-in connections
- Enclosed housing
- 55mm high from din rail
- LED switching indicator
- Mounts on TS35 rail
- 10Hz to 3kHz switching

Solid state isolating relay for DC loads

- Space-saving 6.1 mm width
- Plug-in cross-connections
- Screw and PUSH IN wire connection
- Enclosed design
- Status indicator: Green LED

Control: Various DC or AC voltages
Load: 5...48V DC /100mA or 500mA

Solid state isolate or for AC loads

- Space-saving 6.1 mm width
- Plug-in cross-connections
- Screw and PUSH IN wire connection
- Enclosed design

Control: Various DC or AC voltages
Load: 24...230V AC /100mA

Solid state isolate or for DC loads with AC input RC filter

- Space-saving 6.1 mm width
- Plug-in cross-connections
- Screw and PUSH IN wire connection
- Enclosed design
- RC input circuitry for improved interference immunity

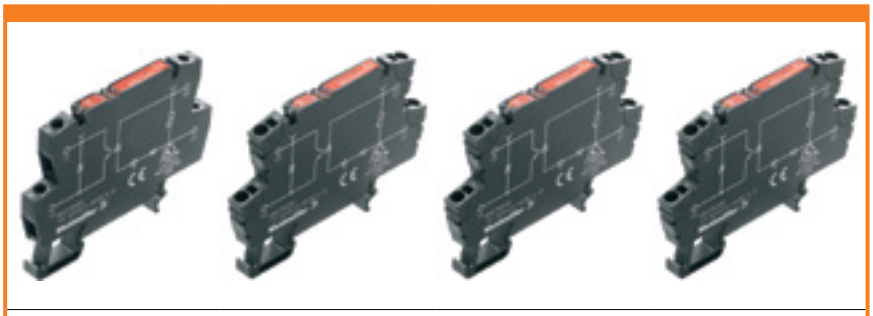
Control: 120V / 230V AC
Load: 5...48V DC / 500mA

Solid-state relay, 3...33 V DC / 4 A Output versions

- Space-saving 6.1 mm width
- Plug-in cross-connections
- Screw and PUSH IN wire connection
- Enclosed design

Control: 24V DC
Load: 3...33V DC / 4A

TERMOPTO



DC loads | AC loads | AC input RC filter | 3...33 V DC / 4 A

Product name	Rated control voltage	Continuous current	Screw connection Order number	PUSH IN connection Order number
DC loads				
5VDC/48VDC 0,1A	5 V DC ±20 %	100 mA	**8950700000**	**8950760000**
5VDC/48VDC 0,5A	5 V DC ±20 %	500 mA	**8950900000**	**8950960000**
12VDC/48VDC 0,1A	12 V DC ±20 %	100 mA	**8950710000**	**8950770000**
12VDC/48VDC 0,5A	12 V DC ±20 %	500 mA	**8950910000**	**8950970000**
24VDC/48VDC 0,1A	24 V DC ±20 %	100 mA	**8950720000**	**8950780000**
24VDC/48VDC 0,5A	24 V DC ±20 %	500 mA	**8950920000**	**8950980000**
24VAC/48VDC 0,1A	24 V AC ±20%	100 mA	**8950820000**	**8950860000**
24VAC/48VDC 0,5A	24 V AC ±20%	500 mA	**8951020000**	**8951060000**
48-60VDC/48VDC 0,1A	48...60 V DC ±20 %	100 mA	**8950730000**	**8950790000**
48-60VDC/48VDC 0,5A	48...60 V DC ±20 %	500 mA	**8950930000**	**8950990000**
48-60VAC/48VDC 0,1A	48...60 V AC ±20 %	100 mA	**8950830000**	**8950870000**
48-60VAC/48VDC 0,5A	48...60 V AC ±20 %	500 mA	**8951030000**	**8951070000**
110VDC/48VDC 0,1A	110 V DC ±20 %	100 mA	**8950740000**	**8950800000**
110VDC/48VDC 0,5A	110 V DC ±20 %	500 mA	**8950940000**	**8951000000**
120VAC/48VDC 0,1A	120 V AC ±20 %	100 mA	**8950840000**	**8950880000**
120VAC/48VDC 0,5A	120 V AC ±20 %	500 mA	**8951040000**	**8951080000**
220VDC/48VDC 0,1A	220 V DC +10 % / -15 %	100 mA	**8950750000**	**8950810000**
220VDC/48VDC 0,5A	220 V DC +10 % / -15 %	500 mA	**8950950000**	**8951010000**
230VAC/48VDC 0,1A	230 V AC +10 % / -20 %	100 mA	**8950850000**	**8950890000**
230VAC/48VDC 0,5A	230 V AC +10 % / -20 %	500 mA	**8951050000**	**8951090000**
AC loads				
TOS 5VDC/230VAC 0,1A	5 V DC ±20 %	100 mA	**8951100000**	**8951160000**
TOS 12VDC/230VAC 0,1A	12 V DC ±20 %	100 mA	**8951110000**	**8951170000**
TOS 24VDC/230VAC 0,1A	24 V DC ±20 %	100 mA	**8951120000**	**8951180000**
TOS 24VAC/230VAC 0,1A	24 V AC ±20%	100 mA	**8951220000**	**8951260000**
TOS 48-60VDC/230VAC 0,1A	48...60 V DC ±20 %	100 mA	**8951130000**	**8951190000**
TOS 48-60VAC/230VAC 0,1A	48...60 V AC ±20 %	100 mA	**8951230000**	**8951270000**
TOS 110VDC/230VAC 0,1A	110 V DC ±20 %	100 mA	**8951140000**	**8951200000**
TOS 120VAC/230VAC 0,1A	120 V AC ±20 %	100 mA	**8951240000**	**8951280000**
TOS 220VDC/230VAC 0,1A	220 V DC +10 % / -15 %	100 mA	**8951150000**	**8951210000**
TOS 230VAC/230VAC 0,1A	230 V AC +10 % / -20 %	100 mA	**8951250000**	**8951290000**
AC input RC filter				
TOS 120VAC/48VDC 0.5A RC	120 V AC ±20 %	500 mA	**1180290000**	**1188830000**
TOS 230VAC/48VDC 0.5A RC	230 V AC +10 %/ -15 %	500 mA	**1189270000**	**1189260000**
3...33 V DC / 4 A				
TOS 24VDC/24VDC 4A	24 V DC ±20 %	4 A	**1275100000**	**1254880000**

Microopto
Specialty solid state switching

- DC solenoid switching
- High speed TTL to 100kHz
- Space saving 6.1mm width
- Plug in cross connections
- Screw or Push-in connections
- Enclosed housing
- 55mm high from din rail
- LED switching indicator
- Mounts on TS35 rail

For direct connection of actuators up to 24 V DC, 2 A

- Only 6 mm modular width
- Plug-in cross-connection
- PE connection direct to mounting rail
- Status display when error in output
- Fault indication

For switching valves up to 24 V DC 10 A

- Width only 6 mm
- Plug-in cross-connector
- For mounting on TS 35
- Status display and error signaling contact with an error in the output
- Fault output with indication

For DC loads up to 300 V DC and 1A

- Only 6 mm modular width
- Plug-in cross-connection
- Power Boost: 20 A / 20 ms, 5 A / 1 sec

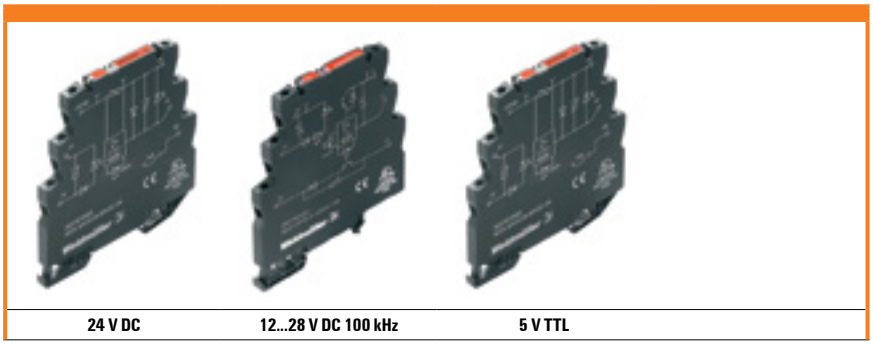
For adjusting TTL signals

To adjust sensitive TTL signals to the typical voltage level of 24 V DC used in industrial automation applications, the MICROOPTO TTL modules are used.

For the protection of the electronics, the sensitive TTL signals require electrical isolation from the 24 V world.

To control the optical coupler circuit via the 5 VTTL signal, an additional auxiliary voltage is fed in.

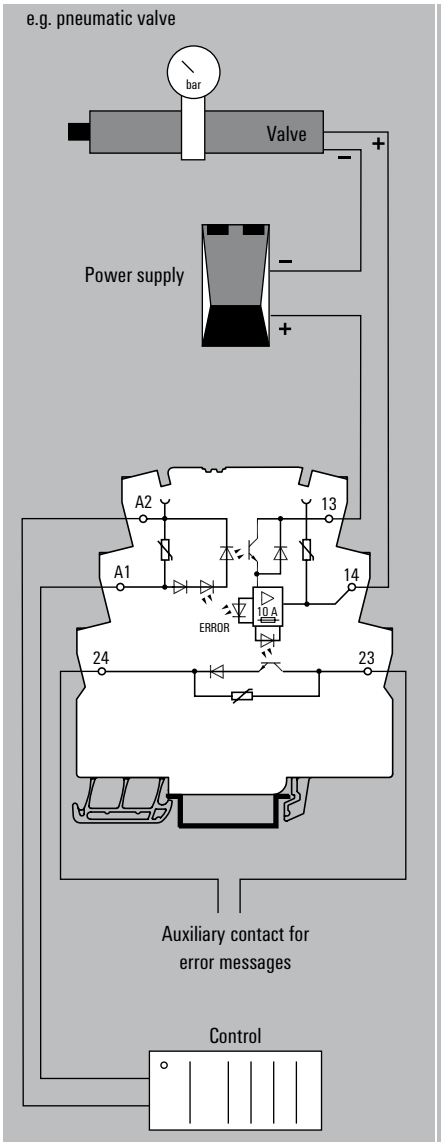
MICROOPTO



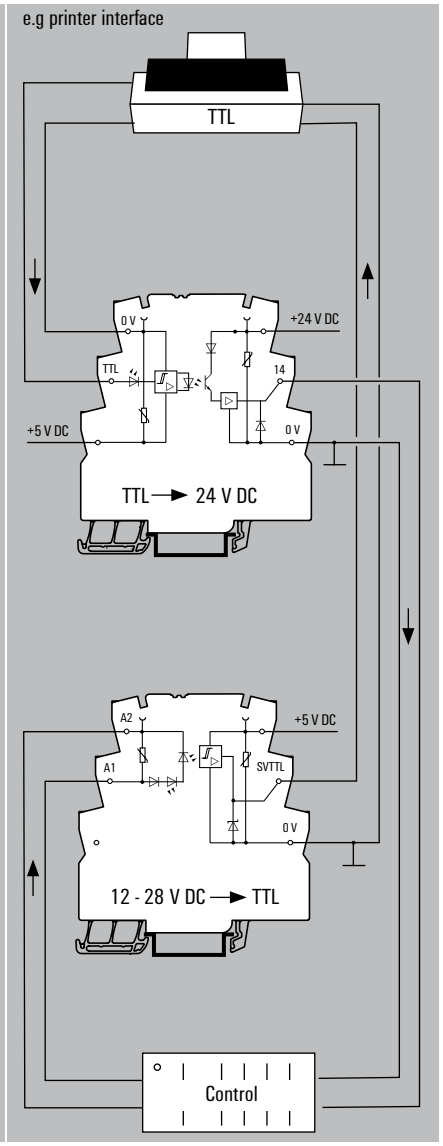
24 V DC | 12...28 V DC 100 kHz | 5 V TTL

Product name	Function	Rated control voltage	Rated switching voltage	Continuous current	Order number
24V DC					
MOS 24VDC/8-30VDC 2A	For direct connection of actuators	24 V DC ±20 %	8...30 V DC	2 A	**8937970000**
MOS 24VDC/5-33VDC 10A	For switching valves	24 V DC ±20 %	5...33 V DC	10 A	**8937940000**
MOS 24VDC/12-300VDC 1A	For DC loads	24 V DC ±20 %	12...300 V DC	1 A	**8937830000**
MOS 24VDC/5-48VDC 0,5A	Signal inversion	24 V DC ±20 %	5...48 V DC	500 mA	**8937980000**
12...28 V DC 100 kHz					
MOS 12-28VDC 100kHz	100kHz switching	12 V DC...28 V DC	19.6...28.8 V	max. 50 mA	**8937990000**
5 V TTL					
MOS 5VTTL/24VDC 0,1A		5 V TTL	24 VDC ±20%	100 mA	**8937920000**
MOS 12-28VDC/5VTTL		12 V DC...28 V DC	5 V TTL	max. 50 mA	**8937930000**

For switching valves up to 24V DC, 10 A



For adjusting TTL signals



PSSR
High power solid state relay range

- Fast switching of AC loads
- Reduced transients
- Wear free switching
- Higher reliability

PSSR - 1-phase 12...275 V AC / 25 A

- Single-phase load circuit: 12–275 V AC / 25 A
- Ready-to-use: simply clip on and connect
- Zero-cross switch
- Noiseless, wear-free switching
- Attachable monitoring module

PSSR - 1-phase 24...600 V AC / 35 A

- Single-phase load circuit: 24–600 V AC / 35 A
- Ready-to-use: simply clip on and connect
- Zero-cross switch
- Noiseless, wear-free switching
- Attachable monitoring module
- High capacity for handling surge currents I^2t = 6000 A^2s (10 ms)
- Fusing with B circuit breaker possible

PSSR - 1-phase 24...600 VAC / 50 A

- Single-phase load circuit: 24–600 VAC / 50 A
- Zero-cross switch
- Noiseless, wear-free switching

PSSR - 1-phase 24...600 VAC / 75 A

- Single-phase load circuit: 24–600 VAC / 75 A
- Zero-cross switch
- Noiseless, wear-free switching
- High capacity for handling surge currents I^2t = 6000 A^2s (10 ms)
- Fusing with B circuit breaker possible

PSSR - 1-phase 200...460 V AC

- Single-phase load circuit: 200–460 VAC / 70 A
- 4...20 mA ±15 % control input
- Manual phase angle adjustment
- Noiseless, wear-free switching

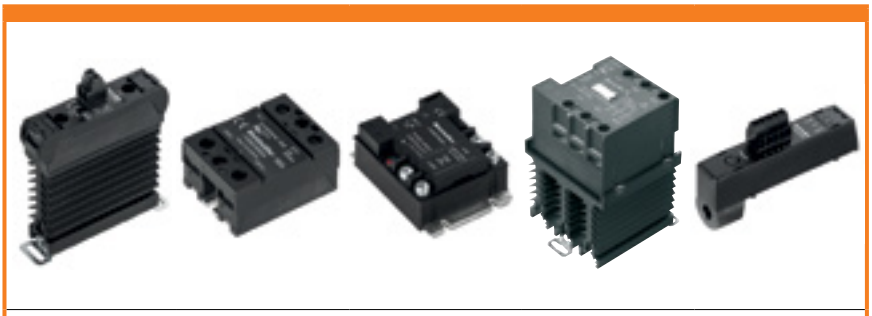
PSSR - 3-phase

- Three-phase load circuit 24...520 V AC / 20 A at 55 °C
- Ready-to-use: snap on - connect - ready
- Zero-cross switch
- Wear-free and noiseless switching

PSSR control unit

- Monitoring of up to 5 consumers connected in parallel
- Can be attached to the single-phase PSSRs
- Error message feedback output
- Undercurrent switching threshold: 0.84 x teach
- Teach button on the module and external teach input

PSSR



12...275 V AC / 25 A | 24...600 V AC | 4...20 mA | PSSR 3 phase | Control unit

Product name	Rated control voltage	Solid-state type	Rated switching voltage	Continuous current	Order number
PSSR - 1-phase					
PSSR 24VDC/1PH AC 25A	3.5...32 V DC	Triac (zero-cross switch)	12...275 V AC	20 A (AC 51) @ 40 °C, 3.5 A (AC 53)	**1406200000**
PSSR 230VAC/1PH AC 25A	160...240 V AC/DC	Triac (zero-cross switch)	12...275 V AC	20 A (AC 51) @ 40 °C, 3.5 A (AC 53)	**1406220000**
PSSR 24VDC/1PH AC 35A	3.5...32 V DC	Thyristor (no-voltage switch)	24...600 V AC	24 A (AC 51) @ 40°C, 7 A (AC 53)	**1406210000**
PSSR 24VDC/1PH AC50A HP	3.5...32 V DC	Thyristor (no-voltage switch)	24...600 V AC	50 A (AC 51)	**1406240000**
PSSR 24VDC/1PH AC75A HP	3.5...32 V DC	Thyristor (no-voltage switch)	24...600 V AC	75 A (AC 51)	**1406250000**
PSSR 20MA/1PH AC70A PC	4...20mA	Triac	200...460 V AC	70 A	**1406270000**
PSSR - 3-phase					
PSSR 24VDC/3PH AC 20A	8...30 V DC / 10...30 V AC	Triac (zero-cross switch)	24...520 V AC	20 A	**8952130000**
PSSR 230VAC/3PH AC 20A	90...240 V AC / DC	Triac (zero-cross switch)	24...520 V AC	20 A	**8952140000**
PSSR control unit					
PSSR 1PH CONTROL UNIT	4...30 V DC	-	-	-	**1406230000**

G

Weidmüller

ACT20P

The universal range

The ACT20P range represents the latest in signal conditioning technology for power and instrument signal conversion. The focus is providing a highly accurate and reliable solution to transform and isolate standard and non-standard signals from AC or DC processes to standard measurements eg: 4-20mA, 0-10V, 1-5V etc. The ACT20P range will continue to evolve providing the features you require for the desired application. If you need Ethernet connection for upgrading an older loop, look for the ACT20C range for a signal isolator with Ethernet Interface.

www.weidmuller.com.au

Analogue signal conditioning

Analogue signal conditioning	ACT20X – Intrinsically safe isolators	H.2
	ACT20M – Slimline 6mm signal conditioners	H.3
	ACT20P – Performance signal conditioners	H.4
	ACT20C – Network-ready signal converters	H.5
	Waveseries – Signal converters	H.6
	Indicators – Panel and field mount process indicators	H.7

ACT20X

- Worldwide approvals
- Transformer isolated, intrinsically safe EXia interface
- Fault/set point relay standard on all Auxiliary powered models
- Approved for ACT20X Installation in Zone 2
- Suitable for sensors from Zone 0,1,2
- SIL 2 Approval IEC 61508:2000 Exida
- SIL2/SIL3 approval IEC 61508:2000 ACT20X-HAI-SAO (HART)
- 1 & 2 channel models
- Free FDT/DTM configuration software: WI manager

Intrinsically safe isolators

Aux powered

Loop powered

CBX200

Product name	Description	Hazardous Area	Safe Area	Channels	Order number
Hazardous digital input					
ACT20X-HDI-SDO-RNO-S	Pulse isolator 20Hz	Digital input Pulse, Relay or Namur	Relay output Normally Open	1	8965340000
ACT20X-HDI-SDO-RNC-S	Pulse isolator 20Hz	Digital input Pulse, Relay or Namur	Relay output Normally Closed	1	8965350000
ACT20X-2HDI-2SDO-RNO-S	Pulse isolator 20Hz	Digital input Pulse, Relay or Namur	Relay output Normally Open	2	8965370000
ACT20X-2HDI-2SDO-RNC-S	Pulse isolator 20Hz	Digital input Pulse, Relay or Namur	Relay output Normally Closed	2	8965380000
ACT20X-HDI-SDO-S	Pulse isolator 0-5kHz	Digital input Pulse, Relay or Namur	Transistor output NPN	1	8965360000
ACT20X-2HDI-2SDO-S	Pulse isolator 0-5kHz	Digital input Pulse, Relay or Namur	Transistor output NPN	2	8965390000
Hazardous digital output					
ACT20X-SDI-HDO-L-S	Solenoid Driver (Gas Group IIC)	Digital output Uo=28V, 35mA <0.77W	Logic input NPN, PNP, contact	1	8965400000
ACT20X-2SDI-2HDO-S	Solenoid Driver (Gas Group IIC)	Digital output Uo=28V, 35mA <0.77W	Logic input NPN, PNP, contact	2	8965420000
ACT20X-SDI-HDO-H-S	Solenoid Diver (Gas Group IIB)	Digital output Uo=28V, 45mA, 0.95W	Logic input NPN, PNP, contact	1	8965410000
Hazardous analogue input					
ACT20X-HAI-SAO-S	HART input isolator	Analogue input 0 (4) 20mA + HART	0 (4) 20mA. 2 wire or current source current source + HART	1	8965430000
ACT20X-2HAI-2SAO-S	HART input isolator	Analogue input 0 (4) 20mA + HART	0 (4) 20mA. 2 wire or current source current source + HART	2	8965440000
Hazardous analogue output					
ACT20X-SAI-HAO-S	HART output isolator	Analogue input 0 (4) 20mA + HART	0 (4) 20mA. 2 wire or current source current source + HART	1	8965450000
ACT20X-2SAI-2HAO-S	HART output isolator	Analogue input 0 (4) 20mA + HART	0 (4) 20mA. 2 wire or current source current source + HART	2	8965460000
Hazardous temperature input					
ACT20X-HUI-SAO-LP-S	Loop powered universal isolator	RTD, Tc, mA, mV, V, Resistance, Pot	4-20mA, 2 wire Output loop powered	1	1318220000
ACT20X-HUI-SAO-S	Universal converter	RTD, TC, mA, V Resistor, Potentiometer	0 (4) 20mA. 2 wire or current source	1	8965490000
ACT20X-2HTI-2SAO-S	Temperature transducer	Temperature Input RTD, TC, MA	0 (4) 20mA. 2 wire or current source current source + HART	2	8965480000
ACT20X-HTI-SAO-S	Temperature transducer	Temperature Input RTD, TC, MA	0 (4) 20mA 2 wire or current source	1	8965470000
Accessories					
CBX200 USB	ACT20X USB programming interface				8978580000

ACT20M

Signal splitter

- Isolating, converting and duplicating DC signals
- Configured using DIP switch
- Power supply via the rail bus
- 4-way isolation

Signal converter

- Isolating and converting DC signals
- Configured using DIP switch
- Power supply via the rail bus
- 3-way isolation

Universal measuring transducer

- Isolating and converting of temperature signals and DC signals
- Configuration using FDT/DTM software
- Power supply via the rail bus
- 3-way isolation

Passive isolator

- Isolation of DC signals without a separate power supply
- Supplied with power from the input measuring circuit
- Available as either single-channel or double-channel version
- 2-way isolation

ACT20 power-feed module

- Distributes the supply onto the busbar
- Compatible with Weidmüller CH20 DIN rail bus
- Optional connection for backup supply
- Approved for use in Ex-Zone 2 /Div. 2
- Monitoring of the supply voltage
- Alarm alerts via the status relay

Rail bus accessories

The Rail Bus allows the ACT20M modules to be powered from within the DIN rail avoiding parallel wiring of the power supply between modules. The profiles are made to suit TS35 rail for 7.5 and 15mm high profiles and consists of 3 parts and a cover plate for any exposed PCB bus for later use. Please select the Bus profile and end clips to suit rail profile, then the PCB Bus and cover if required.

6mm Signal conditioners

ACT20M | ACT20-FEED-IN-PRO-S | ACT20-FEED-IN-BASIC-S | Rail bus

Product name	Input	Output	Power supply	Setup	Channels	Order number
Universal input						
ACT20M-UI-AO-S	mV, V, mA,Tc, RTD, res, Pot	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	PC	1	**1176030000**
0-(4)-20mA isolator						
ACT20M-CI-CO-S	0-(4)-20mA	0-(4)-20mA	24V DC	No	1	**1175980000**
ACT20M-CI-2CO-S	0-(4)-20mA	2 x 0-(4)-20mA	24V DC	No	2	**1175990000**
ACT20M-CI-CO-OLP-S	2-Wire Tx (4-20mA)	0-(4)-20mA	Output loop	No	1	**1176040000**
ACT20M-2CI-2CO-OLP-S	2-Wire Tx (4-20mA)	0-(4)-20mA	Output loop	No	2	**1176050000**
ACT20M-CI-CO-ILP-S	0-(4)-20mA	0-(4)-20mA	Input loop	No	1	**1176070000**
ACT20M-2CI-2CO-ILP-S	0-(4)-20mA	0-(4)-20mA	Input loop	No	2	**1176080000**
mA, V input						
ACT20M-AI-AO-E-S	0(4)-20mA / 0(2)-10V, 0(1)-5V	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1176010000**
ACT20M-AI-AO-S	0(4)-20mA / 0(2)-10V, 0(1)-5V	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1176000000**
ACT20M-AI-2AO-S	0(4)-20mA / 0(2)-10V, 0(1)-5V	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1.5	**1176020000**
Bi-directional mA, V input						
ACT20M-BAI-AO-S	± 10mA, ± 20 mA, ± 5V, ± 10V	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1375450000**
ACT20M-BAI-2AO-S	± 10mA, ± 20 mA, ± 5V, ± 10V	1 x 0/4...20 mA / 0(2)-10V, 0(1)-5V, 2 x ± 10mA, ± 20mA	24V DC	Dip switch	1.5	**1375470000**
Temperature input						
ACT20M-UI-AO-S	mV, V, mA,Tc, RTD, res, Pot	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	PC	1	**1176030000**
ACT20M-RTI-AO-E-S*	PT100/2-/3-/4-wire	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1375520000**
ACT20M-RTI-AO-S	PT100/2-/3-/4-wire	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1375510000**
ACT20M-RTI-CO-EOLP-S*	PT100/2-/3-/4-wire	0(4)-20mA	Output loop	Dip switch	1	**1435610000**
ACT20M-TCI-AO-S	Type J, K Thermcouple	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1375480000**
ACT20M-TCI-AO-E-S*	Type J, K Thermcouple	0(4)-20mA / 0(2)-10V, 0(1)-5V	24V DC	Dip switch	1	**1375500000**
ACT20M-RTCI-CO-OLP-S	PT100-2,3 wire / J, K Thermocouple	0-(4)-20mA / 20-(4)-0mA	Output loop	Dip switch	1	**1435590000**
Power bus system for ACT20M						
ACT20-FEED-IN-BASIC	6mm wide, 24V supply @ 2A supply to Power bus					**1282490000**
ACT20-FEED-IN-PRO-S	22.5mm wide, dual redundant 24V DC input, 4A supply to Power bus					**8965500000**

Note: *Non-isolated models

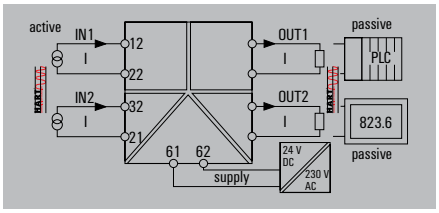
Accessories

Product name	Length	Order number
Rail Bus Accessories		
CH20M BUS-PROFIL TS35x7.5/250	250 mm	**1248150000**
CH20M BUS-PROFIL TS35x15/250	250 mm	**1248180000**
CH20M BUS 4.50/05 AU/250	250 mm	**1248220000**
CH20M BUS-ADP TS35/250	250 mm	**1248250000**
CH20M BUS end plate left	-	**1193160000**
CH20M BUS end plate right	-	**1193170000**

ACT20P series

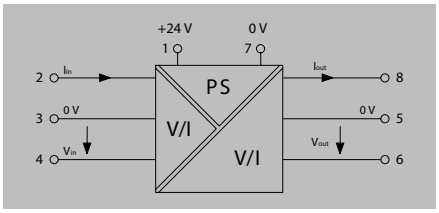
- Fixed isolators for mA, 2 & 3 wire transmitters
- HART transparent communication
- Compact and robust 12.5mm housing
- Guided removable terminals

ACT20P-2CI-2CO-12



ACT20P AI-AO-DC-S

- Field configurable 4 wire isolator
- Setup via push button programming
- 24V field supply for instruments
- Slim 12.5mm housing



ACT20P UI-AO-DO-LP-S

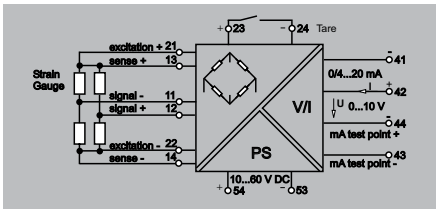
- Universal input
- Output loop powered
- Digital alarm output
- DC input to 300V, 5A
- Software configurable via FDT/DTM technology

ACT20P UI-2RCO-DC-S / ACT20P UI-2RCO-AC-S

- Universal input
- 2 x SPDT changeover relays
- DC input to 300V, 5A
- Start-up inhibit alarm
- Software configurable via FDT/DTM technology

ACT20P BRIDGE

- Simple accurate strain gauge isolator / converter
- Dip switch and push button calibration
- Independent low and high calibration
- Single push button tare

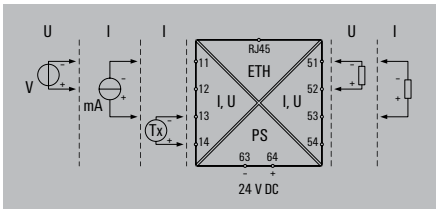


Signal conditioners

Product name	Input	Output	Current drive	Power supply	Channels	Order number
Auxiliary powered						
ACT20P-CI-CO-S	0-(4)-20 mA, 2, 3 wire Tx (transmitter) + HART	0-(4)-20 mA + HART	550Ω @ 20mA	24V DC	-	**7760054114**
ACT20P-CI-2CO	0-(4)-20 mA, 2, 3 wire Tx + HART	2 x 0-(4)-20 mA + HART	300Ω @ 20mA per channel	20-30 V DC	1.5	**7760054115**
ACT20P-2CI-2CO-12	2 wire Tx + HART	0-(4)-20 mA + HART	300Ω @ 20mA per channel	20-30 V DC	2	**7760054117**
ACT20P AI-AO-DC-S	0-22.0mA or 0-11.0 V DC	0-22.0mA or 0-11.0 V DC	1kΩ @ 20mA	12-60 V DC		**1477420000**
Loop powered						
ACT20P UI-AO-DO-LP-S	Tc, RTD, mA, A, mV, V, Res, Pot	4-20mA, Digital output (open collector)		Output loop powered		**1453210000**
Trip amplifier						
ACT20P UI-2RCO-DC-S	Tc, RTD, mA, A, mV, V, Res, Pot	Dual SPDT relay contact outputs (6A@250VAC, 200mA@110VDC)		9-60V DC		**7940045760**
ACT20P-UI-2RCO-AC-S	Tc, RTD, mA, A, mV, V, Res, Pot	Dual SPDT relay contact outputs (6A@250VAC, 200mA@110VDC)		90-265V AC		**1238910000**
Strain gauge						
ACT20P-BRIDGE-S	Resistance bridge strain gauge, 4 x 350Ω load cells @ 10V	0-20mA or 0-10V	600Ω @ 20mA	10-60V DC		**1067250000**
Accessories						
CBX200 USB	Configuration adapter - interface to PC					**8978580000**

ACT20C

Network-compatible signal converter with Ethernet
- Input current: 0...20 mA, 4...20 mA
- Input voltage: 0(2)...10 V
- Output current: 0...20 mA, 4...20 mA ≤ 500 Ω Modbus/TCP
- Output voltage: 0...10 V ≥ 10 kΩ Modbus/TCP
- Limit-value monitoring with parameterisation options
- Diagnostics on device status, signals and line faults via Modbus/TCP
- PC configuration with FDT/DTM software, download link at www.weidmueller.com

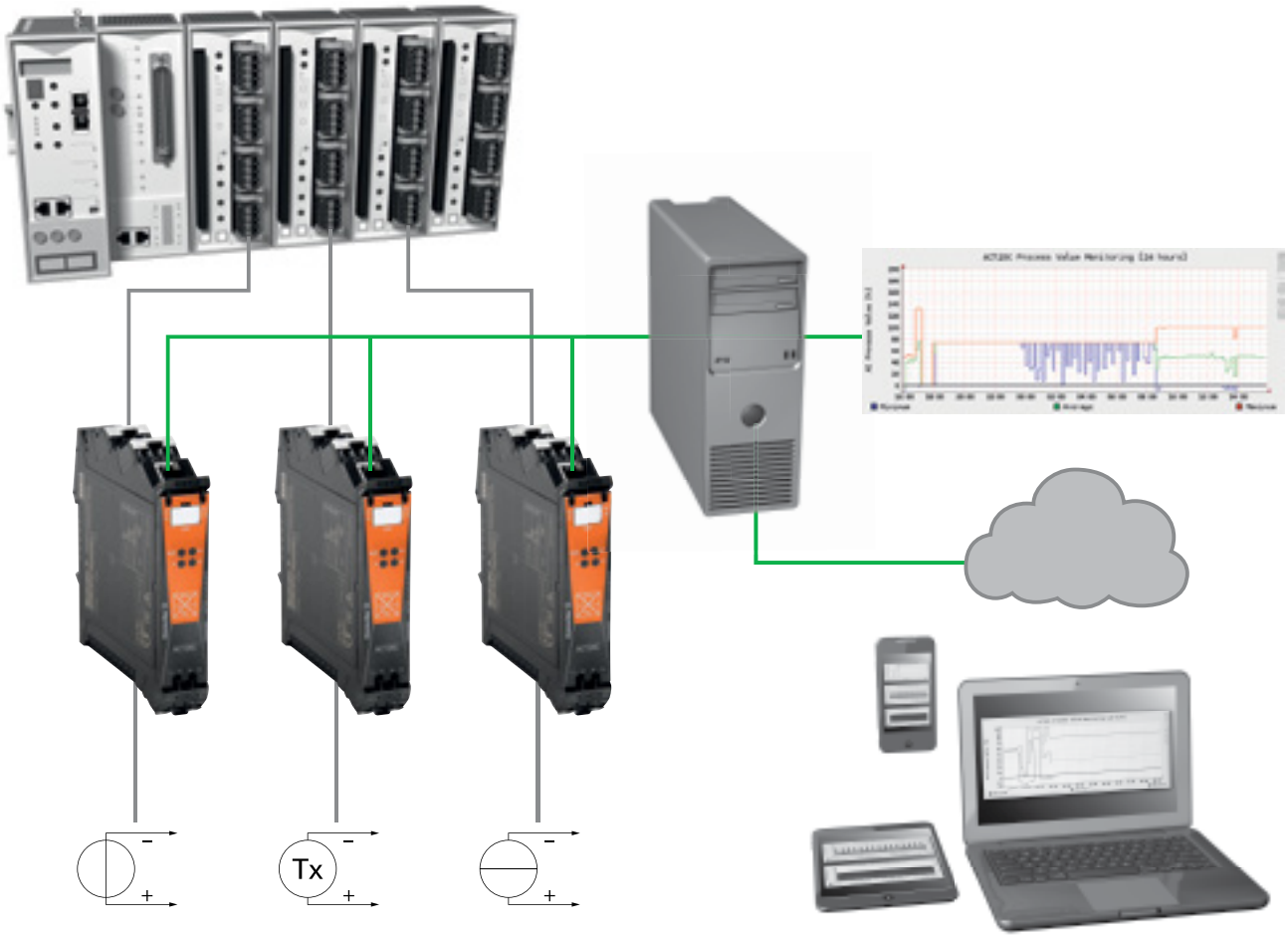


Data collected in the ACT20C is made available over the Ethernet via Modbus TCP. Depending on the communications infrastructure, you can make this data available to your SCADA system within your network, and you can also access it via the Internet from any location using an industrial Ethernet router.

Network-ready signal converter

ACT20C-AI-AO-MTCP-S

Product name	Description	Sensor supply	Supply voltage	Ambient temperature	Order number
Signal splitter					
ACT20P-AI-AO-MTCP-S	Network-compatible signal converter	> 17 V DC at 20 mA	24 V DC ± 25 %	-20 °C...+70 °C	**1334490000**
Accessories					
CBX200 USB	Configuration adapter - interface to PC				**8978580000**



Waveseries

- Fixed isolators for milliamp loops
- Removable terminals
- HART transparent isolation
- 2 or 3 wire transmitters

Wave TTA

- Configurable input/output alarm transmitter
- Universal power supply
- 18-264V AC/DC
- DIN rail mounting
- Programmable

DC Alarm

- Field adjustable
- Compact design
- 3A switching capacity

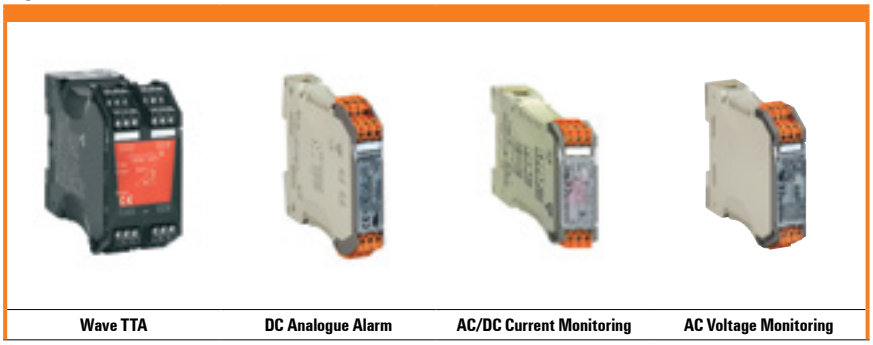
PRO Series

- Dip-switch configurable models
- In current/voltage isolators, RTD, Thermocoupler or frequency input modules
- Complete isolation (input/output/power supply)

Current Monitoring

- Dip-switch configurable models
- Selectable input ranges
- Analogue output of 0(4)...20mA or 0-10V
- 24V DC or loop powered version
- Relay output models for alarm thresholds

Signal conditioners



Wave TTA | DC Analogue Alarm | AC/DC Current Monitoring | AC Voltage Monitoring

Product name	Input	Output	Alarms	Power supply	Order number
Wave TTA					
WAS6 TTA	TC, RTD, mA, mV, V, POT, Ω, Hz	0-22mA, ±10V	2 x SPDT alarms 250V @ 3A	18-264V AC/DC	**8939670000**
CBX200 Programmer					**8978580000**
DC Analogue Alarm					
WAS5 DC/Alarm	0/4-20mA, 0-10V	-	2 x SPDT Relay	24V DC	**8543820000**
PRO Series					
WAS4 PRO DC/DC	±100V, ±50mA	±20mA, ±10V	-	20-253V AC/DC	**8560740000**
WAS5 PRO RTD	PT100, Ni100, POT, Ω	0/4-20mA, 0-10V	-	18-30V DC	**8560700000**
WAS5 PRO THERMO	TC, K, J, T, E, N, R, S, B	0/4-20mA, 0-10V	-	18-30V DC	**8560720000**
WAS4 PRO FREQ	PNP, NPN, NAMUR, Push/Pull. 100kHz.	0/4-20mA, 0-10V	-	18-30V DC	**8581180000**
AC/DC Current Monitoring					
WAS1 CMA 1/5/10A	0-1A / 0-5A / 0-10A	0/4-20mA, 0-10V	-	24V DC	**8523400000**
WAS1 CMA LP 1/5/10A	0-1A / 0-5A / 0-10A	4-20mA	-	Output loop powered	**8528650000**
WAS2 CMA 5/10A UC	0-5A / 0-10A	0/4-20mA, 0-10V	-	24V DC	**8526610000**
WAS2 CMA 20/25/30A UC	0-20A / 0-25A / 0-30A	0/4-20mA, 0-10V	-	24V DC	**8545830000**
WAS2 CMA 40/50/60A UC	0-40A / 0-50A / 0-60A	0/4-20mA, 0-10V	-	24V DC	**8513330000**
AC Voltage Monitoring					
WAS2 VMA VAC	1PH, 450VAC	0/4-20mA, 0-10V	-	24V DC	**8581220000**
AC Current Alarms					
WAS2 CMR 1/5/10A AC	0-1A / 0-5A / 0-10A	-	SPDT relay	24V DC	**8516560000**
WAS2 CMR 20/40/60A AC	0-20A / 0-40A / 0-60A	-	SPDT relay	24V DC	**8513340000**
AC Voltage Alarms					
WAS5 VMR 1PH	1PH, 260VAC	-	SPDT Relay	24V DC	**8705640000**
WAS2 VMR 3PH	1/3PH, 250VAC (3ph) / 400VAC (1ph)	-	2 x SPDT Relay	24V DC	**8705630000**

ACT20D

- Universal input process indicator
- LCD display shows measurement in engineering units
- Integral power supply for field devices
- USB or front panel programmable

Input

Type	Limits
mA	±25mA
mV	±600mVDC
V	±300VDC
TC	K, J, T, E, N, R, S, B, L, U
RTD	PT100, PT200, PT1000, Ni120, Cu10
Freq	10 kHz, NAMUR, PNP, NPN, volt-free, TTL

Universal process display

LCD display | LED display

Product name	Display	Outputs analogue	Outputs Alarms (optional)	Power supply	Standard Order number	4 relay output Order number
LCD Display	8 digit	0-22mA, 0-11V	4 x SPDT relay. 240VAC @ 5A	9-60V DC	1534210000	1534040000
LED Display	6 digit, -99999 to 999999	0-22mA, 0-11V	4 x SPDT relay. 240VAC @ 5A	9-60V DC	1534220000	1534180000

*Available Q1 2015

Clear display
The ACT20D features a bright, backlit LCD display, up to 8 digits making it easy to see in all lighting conditions.

Outputs
Analogue output provides process current / voltage proportional to input range. Four channel optional relay output card can be used for set point and alarm trip monitoring.

Universal inputs
The powerful ACT20D can process inputs from a wide variety of sources. Current, voltage, temperature, resistance, frequency configurable from the same module.

Simple setup
Configuring the ACT20D can be achieved through the easy to use front panel push buttons or the integrated USB port and PC software.

Exact display
Shows measurement in engineering units or to any specific user requirement. Alarm set point thresholds are clearly shown removing any guess work in diagnostics.

Loop powered

LPD 350

- Loop powered, 1/8 DIN indicator
- Good visibility LCD display in bright light
- Low cost indicator

201

- Loop powered, 1/8 DIN indicator
- Bright LED display
- Optional solid state alarms

Field mount, loop powered LED displays

- Loop powered, IP65 field mount indication
- Bright LED display
- Optional solid state alarms
- Available in 2 sizes

Auxiliary Powered

- Easy to read ⅛ DIN indicator
- AC or DC power supply
- Potentiometer adjustment for D1350 & PM450
- Front panel program PMX420 series

PMX400 series

- Fully programmable temperature and frequency indicators
- PMX400TMP accepts RTD or Thermocouple inputs
- PMX400HZX accepts frequency inputs
- Bright 4 digit LED display
- Integral power supply for active input devices

Loop powered

LPD 350 | 201 / 202 | LPD450F | 301 / 302 / 305

Product name	Description	Input	Display	Output	Order number
LPD 350	Loop powered	4-20 mA	3 + ½ digit, ±1999	-	**8944990000**
201	Loop powered	4-20 mA	4 digit, -999 to 9999	-	**7940086158**
202	Loop powered	4-20 mA	4 digit, -999 to 9999	2 x transistor alarms	**7940086159**
LPD450F	Loop powered	4-20 mA	4 + ½ digit, ±19999	-	**7940010236**
301	Large LED display	4-20 mA	- 999 to 9999	-	**7940084183**
302	Large LED display with alarms	4-20 mA	- 999 to 9999	-	**7940084184**
305	Small LED display	4-20 mA	- 999 to 9999	-	**7940083901**

Auxiliary powered

DI350 | PMX420 | PMX420Plus

Product name	Input	Display	Power supply	Output	Order number
DI350	4-20 mA, 0-10V	3 + ½ digit, ±1999	24VDC, 110VAC, 240VAC (specify)	-	**8944950000**
PM450	4-20 mA, 0-10V	4 + ½ digit, ±19999	24VDC, 110VAC, 240VAC (specify)	-	**7940013153**
PMX420	4-20 mA, 0-10V	4 digit, ±9999	Universal 18-50Vdc, 90-275VAC	-	**8944950000**
PMX420Plus	4-20 mA, 0-10V	4 digit, ±9999	Universal 18-50Vdc, 90-275VAC	1 x 0-20mA, ±10V and 2 X SPDT, 2 x SPST	**7940011323**

PMX400 series

PMX400

Product name	Input	Display	Power supply	Output	Order number
PMX400 TMP	PT100, TC B,E,J,K,N,R,S, mV	4 digit, ±9999	24V DC		**7940017862**
PMX400 TMP/AO/RO	PT100, TC B,E,J,K,N,R,S, mV	4 digit, ±9999	24V DC	1 x 0-20mA, ±10V and 4 x SPDT relay	**7940012968**
PMX400 HZX	0-10kHz	4 digit, ±9999	24V DC		**7940015595**
PMX400 HZX/AO/RO	0-10kHz	4 digit, ±9999	24V DC	1 x 0-20mA, ±10V and 4 x SPDT relay	**7940011979**

*Other voltages available on request

PTX800 Series

- Fully programmable totalises and rate indicators for flow and speed measurement
- PTX800A accepts analogue rate inputs
- PTX800D accepts digital pulse inputs
- Bright 8 digit LED display
- Integral power supply for active input devices

PTX800 Series

PTX800

Product name	Input	Power supply	Output	Order number
PTX800A	±24mA, ±11V	24V DC		7940010243
PTX800A/RO/AO	±24mA, ±11V	24V DC	1 x 0-22mA, 0-11V, 2 x SPDT relay	7940014374
PTX800D	0-10kHz	24V DC		7940011133
PTX800D/RO/AO	0-10kHz	24V DC	1 x 0-22mA, 0-11V, 2 x SPDT relay	7940012323

*Other voltages available on request

538 Display

- 8 Channel process display
- 8 Analogue output as option
- 10 alarm relay output as option
- Serial output card optional

538 Display

538 Display

Product name	Description	Input	Display	Power supply	Order number
538-8SC-24VDC	Eight channel base display 24VDC	PT100, TC J, R, S, T, E, mV, V, mA, Ω	-999 to 9999	24VDC or 240VAC	7940084986
538-8SC-230VAC	Eight channel base display 230VAC				7940084985
538OUT-8	8 isolated 0/4-20mA, 0-10V outputs	-	-	-	7940084987
538RED-10	10 alarm relays, 60V 0.5A	-	-	-	7940084988
DCS770	USB programming interface	-	-	-	7940085066

Field mount, loop powered transmitter with LED displays

- Universal temperature sensor and process input
- Loop powered, IP65 field mount indication
- Bright LED display
- Optional solid state alarms

Field mount, loop powered transmitter with LED displays

311 / 312

Product name	Description	Input	Display	Power supply	Order number
311	Field mount signal converter with LED display	PT100, PT500, PT1000, Ni100; TC B, C, D, E, G, J, K, L, N, R, S, T; 0-20mA; -10 to +10V; 0-1000Ω	-999 to 9999	Loop powered	7940084185
312	Field mount signal converter with LED display and alarms				7940084186

Modular Display Series

20mm IP65 Field Display

- Digit size 20mm (Reading distance about 10m)
- Secure setup from front panel keypad or PC (Serial card required)
- IP65 Field Mount
- Can be fitted with two output cards

Large IP65 Field Display

- 57mm, 100mm and 180mm Digit size
- Internal keypad and display for easy, secure setup
- IP65 Field Mount
- Readability:
  57mm digits: from 20m to 30m
  100mm digits: from 40m to 50m
  180mm digits: to 100m

Large Panel Mount Display

- Digit size 57mm and 100mm. Readability 20-30m and 40-50m.
- Internal keypad and display for easy, secure setup
- IP54 front panel

IP65 field and large panel display base unit

20mm IP65 Field Display | Large IP65 Field Display | Large Panel Mount Display

Product name	Description	Order number
20mm IP65 Field Display		
2800-240VAC	Base display with 85-240Vac power supply	7940085030
2800-24VDC	Base display with 24Vdc power supply	7940085031
Large IP65 Field Display		
575F5-240VAC	57mm High, 5-digit, 85-240Vac / [Input Card] / [Output Cards]	*
575F5-24VDC	57mm High, 5-digit, 24Vdc / [Input Card] / [Output Cards]	*
FD100A4-240VAC	100mm High, 4-digit, 85-240Vac / [Input Card] / [Output Cards]	*
FD100A4-24VDC	100mm High, 4-digit, 24Vdc / [Input Card] / [Output Cards]	*
FD100A6-240VAC	100mm High, 6-digit, 85-240Vac / [Input Card] / [Output Cards]	*
FD100A6-24VDC	100mm High, 6-digit, 24Vdc / [Input Card] / [Output Cards]	*
FD200A4-240VAC	200mm High, 4-digit, 85-240Vac / [Input Card] / [Output Cards]	*
FD200A4-24VDC	200mm High, 4-digit, 24Vdc / [Input Card] / [Output Cards]	*
FD200A6-240VAC	200mm High, 6-digit, 85-240Vac / [Input Card] / [Output Cards]	*
FD200A6-240VAC	200mm High, 6-digit, 24Vdc / [Input Card] / [Output Cards]	*
Large Panel Mount Display		
910-24VDC	57mm, 5-digit display, 24Vdc Power	7940084968
920-24VDC	100mm, 4-digit display, 24Vdc Power	7940084969

* Please contact your nearest stocking distributor for ordering information

Input and Output Cards for Modular Displays

Each of the modular display types above has three card slots. All displays require at least one input card and can be fitted with output cards to suit the application such as analogue output, alarms or serial communications.

The input cards can be changed to suit different input functions. Changing the input card gives you another instrument. For example change a pulse input card to process input card. All cards are plug and play and only require sensor setup and any relevant output/display scaling settings which can be made from the keypad or via a PC when using a serial card. All input cards can supply the sensor with 24Vdc (to 150mA) except the Strain Gauge which supplies the bridge with 10V.

Product name	Description	Ranges	Order number
Input Cards			
2012	Process Inputs / Potentiometer Input Card	Process Signals: 0-20mA/4-20mA/0-5V/0-10V	7940084970
2021	Temperature Sensor / Potentiometer / Process Input Card	Millivolts: 0-25mV / 0-55mV / 0-100mV / 0-1V / 0-2.5V Process Signals: 0-20mA/4-20mA/0-5V/0-10V/±10V Thermocouples: J, K, L, T, N, R, S, C, D,B, G RTDs (3 or 4 wire): Pt100, Pt1000, Ni100	7940084971
2026	Totaliser / Rate Input Card	Process Signals: 0-20mA/4-20mA/0-5V/0-10V Millivolts: 0-25mV / 0-55mV / 0-100mV / 0-1V / 0-2.5V	7940084972
2041	Strain Gauge (provides 10V Excitation) Input Card	Max. four 350Ω sensors (4 or 6 wire connection)	7940084973
2051	Frequency (pulse) Input Card	Frequency: PNP/NPN, Namur, Contact, Pickup	7940084975
2061	Counter (pulse) Input Card	Frequency: PNP/NPN, Namur, Contact, Pickup	7940084976
2064	Incremental Sensors where the counting direction is indicatedby the phase shift of the channels A and B	Dual frequency inputs	7940084977
2071	RS232/RS485 Serial Input Card	RS232 / RS485	7940084978
2081	BCD, Binary and Grey Code Input Card	Voltage Signals (5-24V ='1' and 0V = '0')	7940087979
Output Cards			
2000-OUT	Isolated Process Output Card	Process Signals: 0-20mA/4-20mA/0-5V/0-10V	7940084980
2000-RS	Serial Output Card	RS232 / RS485	7940084981
2000-REL2	Dual Relay Output Card	Two SPDT Relay Contacts	7940084982
2000-REL3	Triple Relay Card	Three SPDT Relay Contacts	7940084983
2000-I/O	Four Alarm Card with Solid State Outputs	Four Solid State Outputs	7940084984

Weidmüller

VARITECTOR SPC EX and ACT20X

For C&I signals in hazardous area applications

Surge voltages on the field side of the measurement and control lines can damage the facility and equipment. The VARITECTOR SPC EX can discharge surge voltages in hazardous area applications (zone 0, 1 and 2). The pluggable arresters conform the high requirements of the intrinsic safety Exi to the current standards.

The ACT20X-HUI-SAO-LP offers an intrinsically safe input for standard DC signals, temperature signals and resistance signals. It also isolates the Ex zone from the safe zone. The 12.5 mm thin module is supplied via the 4 ... 20 mA output. The global ATEX, IECEx and cULus Ex approvals allow it to be used throughout the world.

www.weidmuller.com.au

Weidmüller

Sensor Actuator Interface

IP20 - IP69K solutions for your sensor

Weidmüller has manufactured sensor interface technology for almost 20 years, fulfilling the philosophy of Industrial connectivity for the sensor to the control system. This has expanded rapidly over the years and provides cabling and marshalling solutions for all factory sensors and environments. Our latest products in pluggable technology enable connectable automation, the ability to build, unplug, transport, and commission in the shortest possible timeframe. This provides many benefits in reducing costs and increasing productivity.
Lets connect.

www.weidmuller.com.au

Sensor Actuator Interface

Sensor Actuator Interface	M12 cables	I.2
	M12 A-coded plugs and sockets	I.2
	M12 metal EMC connectors	I.3
	M12 PROFIBUS-DP moulded cables	I.4
	M12 PROFIBUS-DP SUB-D connectors	I.4
	DeviceNet IP67 remote I/O	I.5
	CANopen IP67 remote I/O	I.5
	PROFIBUS-DP IP67 remote I/O	I.6
	SAI universal PRO - PROFIBUS	I.6
	SAI universal PRO - DeviceNet	I.7

M12 cables

- Easily identified with part number on each cable
- PUR cables with high abrasion resistance and flexibility
- Compatible for use in robots; with recyclable, halogen-free cables
- Customised cables available
- Also available M8, M12, M23, 7/8" plugs, sockets with moulded cables
- Shielded cables available

			M12 socket			
			Straight	Straight	90°	90°
			PUR halogen-free	PUR halogen-free	PUR halogen-free	PUR halogen-free
M12 plug	One end free	No. of poles	Cable material			
			1.5 m	9457730150	9457910150	9457740150	9457690150
			3.0 m	9457730300	9457910300	9457740300	9457690300
			5.0 m	9457730500	9457910500	9457740500	9457690500
			10.0 m	9457731000	9457911000	9457741000	9457691000
			variable		9457910000	9457740000	9457690000
	Straight	No. of poles	Cable material				
			1.5 m	1906300150	-	9457310150	-
			3.0 m	1906300300	-	9457310300	-
			5.0 m	1906300500	-	9457310500	-
			10.0 m	1906301000	-	9457311000	-
			variable	1906300000	-	9457310000	-
	Straight	No. of poles	Cable material				
			1.5 m	-	9457340150	-	9457270150
			3.0 m	-	9457340300	-	9457270300
			5.0 m	-	9457340500	-	9457270500
			10.0 m	-	9457341000	-	9457271000
			variable	-	9457340000	-	9457270000

M12 A coded plugs and sockets

- Available in 3,4,5,8 pole models
- Available in Plugs and sockets
- Metal versions available
- Gland entry 4...6 mm (PG7)/ 6...8 mm (PG9)
- 25...+85 °C operation temperature
- Connectors for M12 B, D, S, T, X coding also available

Screw connection M12

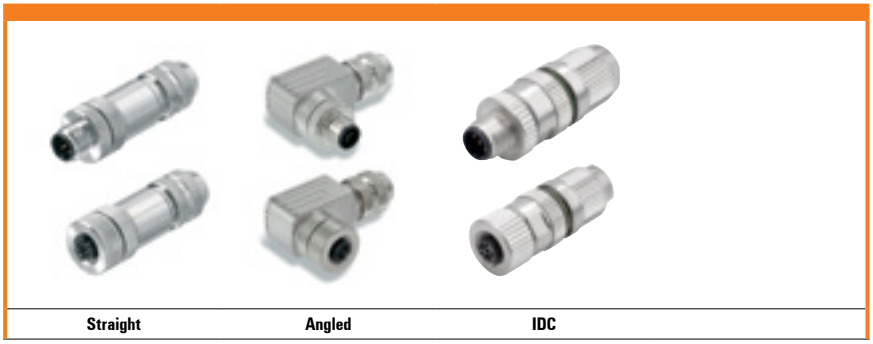
SAIS / SAIB - Straight SAISW / SAIBW - Angled

Model Type	Description	No. of poles	Order number	Model Type	Description	No. of poles	Order number
SAIS / SAIB				**SAISW / SAIBW**			
SAIS-3/7	Male	3	1021470000	SAISW-3/7	Male	3	1021280000
SAIS-3/9	Male	3	1021480000	SAISW-3/9	Male	3	1021290000
SAIS-4/7	Male	4	9457550000	SAISW-4/7	Male	4	9457290000
SAIS-4/9	Male	4	1807340000	SAISW-4/9	Male	4	1807360000
SAIS-5/7	Male	5	9456940000	SAISW-5/7	Male	5	9456950000
SAIS-5/9	Male	5	1807350000	SAISW- 5/9	Male	5	1807370000
SAIS-8/9	Male	8	1836970000				
SAIB-3/7	Socket	3	1021490000	SAIBW-3/7	Socket	3	1021310000
SAIB-3/9	Socket	3	1021510000	SAIBW-3/9	Socket	3	1021320000
SAIB-4/7	Socket	4	9457240000	SAIBW-4/7	Socket	4	9457700000
SAIB-4/9	Socket	4	1807230000	SAIBW-4/9	Socket	4	1807240000
SAIB-5/7	Socket	5	9457250000	SAIBW-5/7	Socket	5	9457260000
SAIB-5/9	Socket	5	1807250000	SAIBW-5/9	Socket	5	1807330000
SAIB-8/9	Socket	8	1836960000				

M12 metal EMC connectors

- Suitable for Fieldbus or screened cables
- Glanded entries
- Screw, tension, or IDC connections
- Gold plated contact surfaces
- B coded for Profibus applications
- D coded for 4 wire Industrial Ethernet
- X coded for 8 wire Industrial Ethernet

M12 shielded connectors



Straight | Angled | IDC

Product name	Description	No. of poles	Order number
A-coded			
SAIS-M-5/8S M12 5P A-COD	Male plug, straight, screw connection	5	**1784740000**
SAIB-5/6S M12 5P A-COD	Socket, straight, screw connection	5	**1191020000**
SAIB-M-5/8S M12 5P A-COD	Socket, straight, screw connection	5	**1784750000**
SAISW-M-4/8 M12	Male plug, angled, screw connection	4	**1803930000**
SAISW-M-5/8 M12	Male plug, angled, screw connection	5	**1803940000**
SAIBW-M-4/8 M12	Socket, angled, screw connection	4	**1803910000**
SAIBW-M-5/8 M12	Socket, angled, screw connection	5	**1803920000**
SAIS 5/9-VA	Male plug, straight, tension clamp connection	5	**1920700000**
SAIB 5/9-VA	Socket, straight, tension clamp connection	5	**1920710000**
SAISM-8/9S-M12	Male plug, straight, screw connection	8	**1258940000**
SAISM-8/11S-M12	Male plug, straight, screw connection	8	**1118910000**
SAIBM-8/9S-M12	Socket, straight, screw connection	8	**1258930000**
SAIBM-8/11S-M12	Socket, straight, screw connection	8	**1118920000**
B-coded			
SAISM 5/8S M12 5P B-COD	Male plug, straight, screw connection	5	**1784790000**
SAIBM 5/8S M12 5P B-COD	Socket, straight, screw connection	5	**1784780000**
SAIS 5/9-VA-B-COD	Male plug, straight, tension clamp connection	5	**1920720000**
SAIB 5/9-VA-B-COD	Socket, straight, tension clamp connection	5	**1920730000**
SAIS-3-IDC-M12B-COD	Male plug, straight, insulation displacement connection	3	**1864730000**
SAIB-3-IDC-M12B-COD	Socket, straight, insulation displacement connection	3	**1864740000**
SAISW-M-5/8 M12 B-COD	Male plug, angled, screw connection	5	**1944570000**
SAIBW-M-5/8 M12 B-COD	Socket, angled, screw connection	5	**1944580000**
D-coded			
SAISM-4/8S-M12-4P D-COD	Male plug, straight, screw connection	4	**1892120000**
SAIBM-4/8S-M12-4P D-COD	Socket, straight, screw connection	4	**1892130000**
SAIBM-4/8S-M12 4P D-ZF	Male plug, straight, tension clamp connection	4	**1892130001**
SAISM-4/8S-M12 4P D-ZF	Socket, straight, tension clamp connection	4	**1892120001**
SAISW-4/8S-M12 4P D-ZF	Male plug, angled, tension clamp connection	4	**1803930001**
SAIBW-4/8S-M12 4P D-ZF	Socket, angled, tension clamp connection	4	**1139330000**

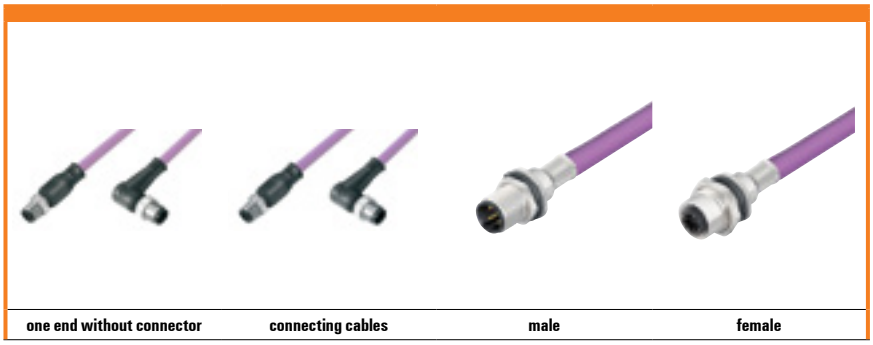
M12 PROFIBUS-DP mouled cables

- Violet sheathing colour
- IP67 rating
- Gold plated contacts
- -25...+85 °C temperature range
- Cable cross section PUR 0.24 mm² / PVC 0.34 mm²

Standard cable lengths

All cables listed under the ordering data have a length of 1.5 metres. The last four ordering digits must be changed when ordering other standard cable lengths.	1.5 m	xxxxxx0150
	3.0 m	xxxxxx0300
	5.0 m	xxxxxx0500
	10.0 m	xxxxxx1000

PROFIBUS-DP connectors with moulded cables



one end without connector | connecting cables | male | female

Model Type	Description	Sheath material	Cable material	2-pole Order number
one end without connector				
SAIL-M12G-PB-1.5D	Male, straight	PUR halogen-free	1.5 m	**1873300150**
SAIL-M12W-PB-1.5D	Male, angled	PUR halogen-free	1.5 m	**1061970150**
SAIL-M12BG-PB-1.5D	Female, straight	PUR halogen-free	1.5 m	**1873320150**
SAIL-M12BW-PB-1.5D	Female, angled	PUR halogen-free	1.5 m	**1062300150**
connecting cables				
SAIL-M12GM12G-PB-1.5D	Male, straight - Female, straight	PUR halogen-free	1.5 m	**1873310150**
SAIL-M12GM12W-PB-1.5D	Male, straight - Female, angled	PUR halogen-free	1.5 m	**1062310150**
SAIL-M12WM12W-PB-1.5D	Male, angled - Female, angled	PUR halogen-free	1.5 m	**1062330150**
wall mount				
SAIE-M12S-PB-0.5U HW	Male, straight	PUR halogen-free	0.5 m	**1279490050**
SAIE-M12S-PB-1.0U HW	Male, straight	PUR halogen-free	1 m	**1279490100**
SAIE-M12S-PB-2.0U HW	Male, straight	PUR halogen-free	2 m	**1279490200**
SAIE-M12S-PB-5.0U HW	Male, straight	PUR halogen-free	5 m	**1279490300**
SAIE-M12B-PB-0.5U HW	Female, straight	PUR halogen-free	0.5 m	**1279480050**
SAIE-M12B-PB-1.0U HW	Female, straight	PUR halogen-free	1 m	**1279480100**
SAIE-M12B-PB-2.0U HW	Female, straight	PUR halogen-free	2 m	**1279480200**
SAIE-M12B-PB-5.0U HW	Female, straight	PUR halogen-free	5 m	**1279480300**

PROFIBUS-DP SUB D connectors

- Available in Plastic or shielded metal housing
- 35 or 90° angled entries
- M12 or cable gland connection
- DB9, Terminating switch, programming port options
- Compact design for use in small spaces

Shielded metal housing

PB-DP SUB-D M12 TERM | PB-DP SUB-D ZF35TERM | PB-DP SUB-D ZF | PB-DP SUB-D

Product name	Programming adapter	Terminating Switch	Entry angle	Order number
Shielded metal housing				
PB-DP SUB-D M12 TERM	No	Yes	90°	**1140650000**
PB-DP SUB-D M12 TERM PS	Yes	Yes	90°	**1140640000**
PB-DP SUB-D ZF35TERM	No	Yes	35°	**1173220000**
PB-DP SUB-D ZF35TERM PS	Yes	Yes	35°	**1173240000**
PB-DP SUB-D ZF	No	No	90°	**1161890000**
PB-DP SUB-D ZF TERM	No	Yes	90°	**1161870000**
PB-DP SUB-D ZF TERM PS	Yes	Yes	90°	**1161880000**
Plastic housing				
PB-DP SUB-D	No	No	90°	**8395500000**
PB-DP SUB-D ZF TERM PS	Yes	Yes	90°	**1934200000**

DeviceNet IP67 remote I/O for sensors and actuators

- M8 or M12 Models for 16 Digital input/ 8 digital outputs
- M12 model for 4 Analogue In / 2 Analogue Out / 4 Digital In
- Max. 500 kBit/s (automatic detection)
- Addressing Via rotary coding switch (0 – 63)
- Latest EDS file from downloads at www.weidmuller.com.au
- Complete range of plugs, sockets and moulded cables to suit

DeviceNet IP67

Signal processing Analogue signal processing

Model Type	Module variants	Operating voltage	Bus system	Order number
Signal processing				
SAI-AU M8 DN 16DI	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	DeviceNet™	**1906730000**
SAI-AU M12 DN 16DI	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	DeviceNet™	**1906700000**
SAI-AU M8 DN 16DI/8DO	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	DeviceNet™	**1906740000**
SAI-AU M12 DN 16DI/8DO	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	DeviceNet™	**1906710000**
Analogue signal processing				
SAI-AU M12 DN AI/AO/DI	4 Analogue In / 2 Analogue Out / 4 Digital In	24 V (18 V DC ... 30 V DC)	DeviceNet™	**1906720000**

CANopen IP67 remote I/O for sensors and actuators

- M8 or M12 Models for 16 Digital input/ 8 digital outputs
- M12 model for 4 Analogue In / 2 Analogue Out / 4 Digital In
- Max. 1Mbit/s (automatic detection)
- Addressing Via rotary coding switch (0 – 127)
- Latest EDS file from downloads at www.weidmuller.com.au
- Complete range of plugs, sockets and moulded cables to suit

CANopen IP67

Signal processing Analogue signal processing

Model Type	Module variants	Operating voltage	Bus system	Order number
Signal processing				
SAI-AU M8 CAN 16DI	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	CANopen	**1906680000**
SAI-AU M12 CAN 16DI	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	CANopen	**1906650000**
SAI-AU M8 CAN 16DI/8DO	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	CANopen	**1906690000**
SAI-AU M12 CAN 16DI/8DO	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	CANopen	**1906660000**
Analogue signal processing				
SAI-AU M12 CAN AI/AO/DI	4 Analogue In / 2 Analogue Out / 4 Digital In	24 V (18 V DC ... 30 V DC)	CANopen	**1906670000**

PROFIBUS-DP IP67 remote I/O for sensors and actuators

- M8 or M12 Models for 16 Digital input/ 8 digital outputs
- M8 or M12 Models for 8 Digital In / 8 Digital Out: 2A
- M12 model for 4 Analogue In / 2 Analogue Out / 4 Digital In
- Max. 12 Mbit/s (automatic detection)
- Addressing Via rotary coding switch (0 – 126)
- Latest GSD file from downloads at www.weidmuller.com.au
- Complete range of plugs, sockets and moulded cables to suit

PROFIBUS-DP IP67

Signal processing | Analogue signal processing

Model Type	Module variants	Operating voltage	Bus system	Order number
Signal processing				
SAI-AU M8 PB 16DI	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1906550000**
SAI-AU M12 PB 16DI	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1890020000**
SAI-AU M8 PB 16DI/8DO	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1906640000**
SAI-AU M12 PB 16DI/8DO	16 Digital In; 16 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1890010000**
SAI-AU M8 PB 8DI8DO 2A	8 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1975450000**
SAI-AU M12 PB 8DI8DO 2A	8 Digital In / 8 Digital Out	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1968220000**
Analogue signal processing				
SAI-AU M12 PB AI/AO/DI	4 Analogue In / 2 Analogue Out / 4 Digital In	24 V (18 V DC ... 30 V DC)	Profibus-DP	**1890000000**

SAI Universal PRO: IP67 Remote IO for sensors and actuators

- 1 Gateway plus 15 compact Sub Bus modules
- Only 1 Node address for up to 136 I/O
- Sub bus suitable up to 50 metres
- Compact sub bus modules with various mounting
- Digital, Analogue, temperature and counter modules
- M8 or M12 connections
- Profibus DP or DeviceNet gateways
- Latest files from downloads at www.weidmuller.com.au
- Complete range of plugs, sockets and moulded cables to suit

SAI universal

PROFIBUS module

Model Type	Description	Order number
PROFIBUS gateway		
SAI-AU M12 PB GW 16DI	PROFIBUS Gateway M12	**1938550000**
SAI-AU M8 PB GW 16DI	PROFIBUS Gateway M8	**1024310000**
Subbus modules		
SAI-AU M12 SB 8DI	Subbus module	**1938610000**
SAI-AU M12 SB 8DI/8DO	Subbus module	**1938640000**
SAI-AU M8 SB 8DI	Subbus module	**1938600000**
SAI-AU M8 SB 8DI/8DO	Subbus module	**1938630000**
SAI-AU M12 SB AI	Subbus module	**1938690000**
SAI-AU M12 SB AO	Subbus module	**1938700000**
SAI-AU M12 SB PT100	Subbus module	**1938710000**
SAI-AU M12 SB Thermo	Subbus module	**1938720000**
SAI-AU M12 SB Counter	Subbus module	**1938730000**
SAI-AU M8 SB 8DO 2A	Subbus module	**1938660000**
SAI-AU M12 SB 8DO 2A	Subbus module	**1938680000**

SAI Universal PRO: IP67 Remote IO for sensors and actuators

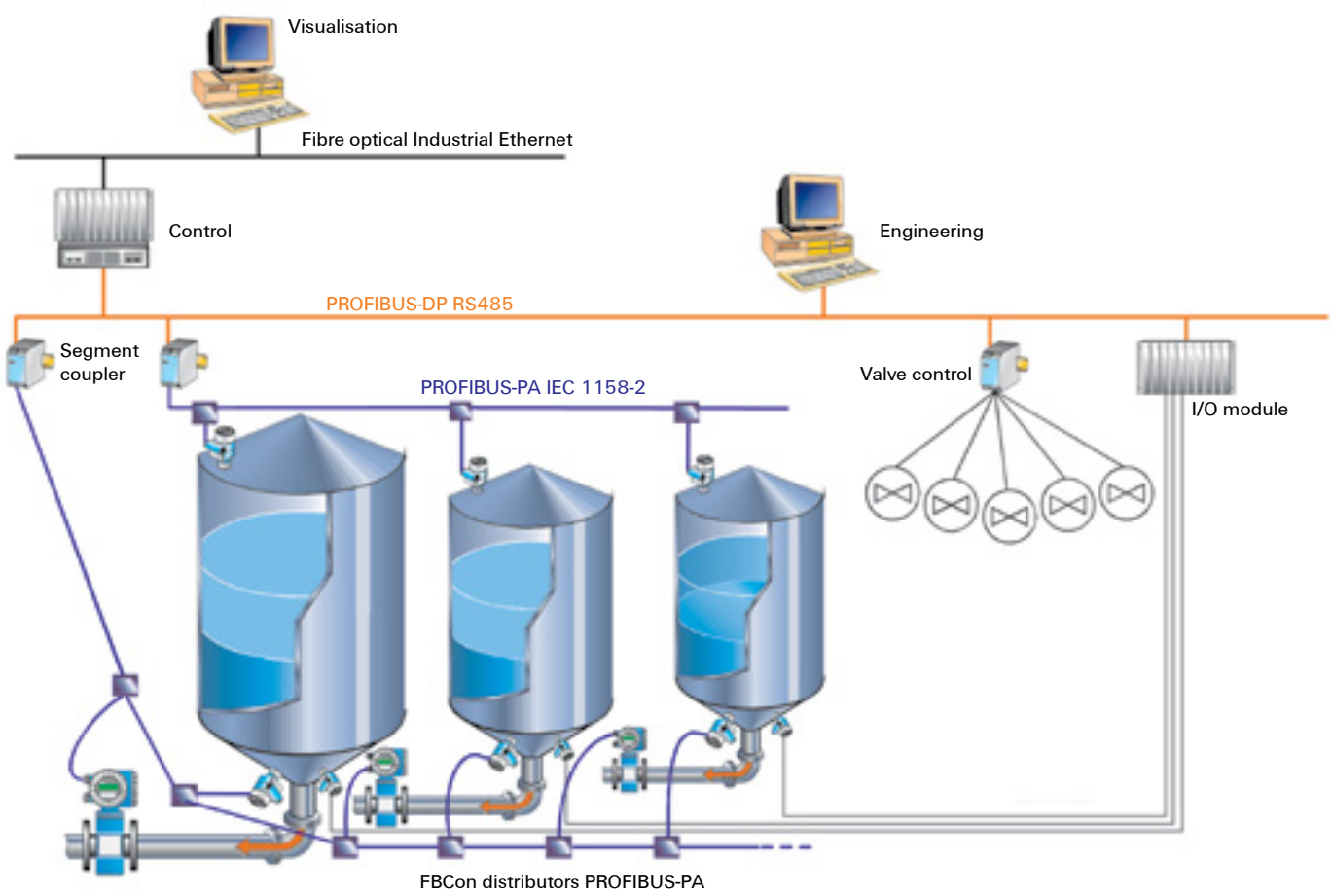
- 1 Gateway plus 15 compact Sub Bus modules
- Only 1 Node address for up to 136 I/O
- Sub bus suitable up to 50 metres
- Compact sub bus modules with various mounting
- Digital, Analogue, temperature and counter modules
- M8 or M12 connections
- Profibus DP or DeviceNet gateways
- Latest files from downloads at www.weidmuller.com.au
- Complete range of plugs, sockets and moulded cables to suit

SAI universal

DeviceNet™ and EtherNet/IP™ modules

Model Type	Description	Order number
DeviceNet gateway		
SAI-AU M12 DN GW 16DI	DeviceNet™ Gateway	**1938570000**
Subbus modules		
SAI-AU M12 SB 8DI	Subbus module	**1938610000**
SAI-AU M12 SB 8DI/8DO	Subbus module	**1938640000**
SAI-AU M8 SB 8DI	Subbus module	**1938600000**
SAI-AU M8 SB 8DI/8DO	Subbus module	**1938630000**
SAI-AU M12 SB AI	Subbus module	**1938690000**
SAI-AU M12 SB AO	Subbus module	**1938700000**
SAI-AU M12 SB PT100	Subbus module	**1938710000**
SAI-AU M12 SB Thermo	Subbus module	**1938720000**
SAI-AU M12 SB Counter	Subbus module	**1938730000**
SAI-AU M8 SB 8DO 2A	Subbus module	**1938660000**
SAI-AU M12 SB 8DO 2A	Subbus module	**1938680000**

Typical PROFIBUS system layout



Weidmüller

FBcon

Fieldbus connectivity

Relay modules and solid-state relays with single and dual CO contacts from 6 mm width, with screw and tension-clamp connections. Your requirements are our benchmark! High-quality housing design with clear legible printing, illuminated ejector lever with high luminance and a safe switching module release, as well as unique and versatile cross-connectivity possibilities.

www.weidmuller.com.au

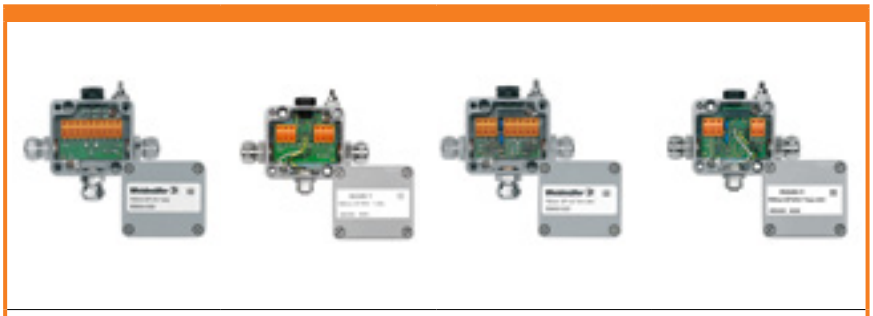
FBcon

FBcon	PROFIBUS-DP "T" distributors	J.2
	PROFIBUS-PA distributors	J.2
	PROFIBUS-PA accessories	J.3

PROFIBUS-DP "T" distributors

- Cabinet mount or IP66 field mount
- EMC cable glands
- Spur lines via cable gland or M12 B coded sockets
- Active bus terminator
- IP66 version with high grade painted aluminium housing RAL 7001
- IP20 version Din rail mount TS32/TS35

1-channel distributor



Cable gland | M12 connection | Cable gland | Active terminator

Model Type	Enclosure material	Cable entry	Cable gland	Order number
IP67 1-channel distributor				
FBCon DP CG 1way	Aluminium housing	Cable gland	branch line CG	**8564340000**
FBCon SS DP PCG 1way	Stainless steel enclosure	Cable gland	all connections PCG	**8714260000**
FBCon DP M12 1way	Aluminium housing	M12 connection	branch line M12	**8564350000**
FBCon SS DP M12 1way	Stainless steel enclosure	M12 connection	branch line M12	**8714270000**
Active terminator				
FBCon DP CG Term 24V	Aluminium housing	Cable gland	branch line CG	**8564290000**
FBCon SS DP PCG Term 24V	Stainless steel enclosure	Cable gland	all connections PCG	**8714240000**
FBCon DP M12 Term 24V	Aluminium housing	M12 connection	branch line M12	**8564330000**
FBCon SS DP M12 Term 24V	Stainless steel enclosure	M12 connection	branch line M12	**8714250000**

PROFIBUS-PA distributors

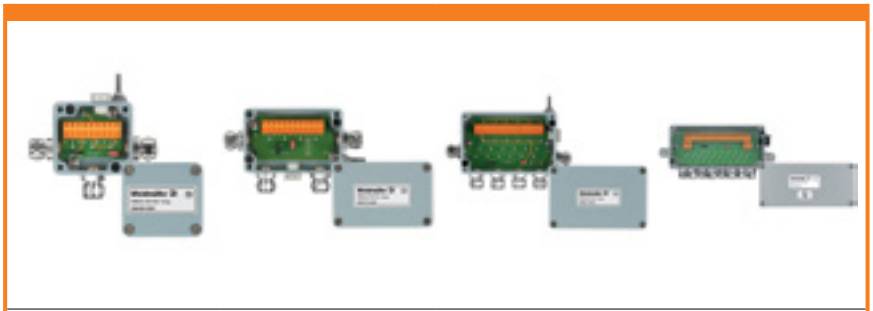
The PROFIBUS-PA T-connectors are intended for direct coupling of measuring devices, sensors, actuators, etc. Standard Profibus PA distributors are 1, 2, 4 or 8 Way T-connectors available in three formats:

- Basic, which incorporate a jumper selectable termination resistor
- OVP, which have inbuilt surge protection
- Current Limiting, which have switch selectable 20/40/60mA current limiting on each stub connection. This protects the bus from devices which are short circuit or draw too much power from the bus.

Features

- IP 66 Ingress protection class
- Interruption-free bus operation for service situations
- External earth stud
- Pressure equalising element
- EMC cable gland

PROFIBUS-PA distributors



1-channel distributor | 2-channel distributor | 4-channel distributor | 8-channel distributor

Type	Housing		Basic		Over Voltage Protecting		20/40/60mA Current Limiting	
	Alum	Steel	Cable Gland	M12 Socket	Cable Gland	M12 Socket	Cable Gland	M12 Socket
Profibus PA 1-way	•		**8564090000**	**8564060000**	**8714120000**	**8714080000**	**8714200000**	**8714160000**
		•	**8703430000**	**8726020000**	**8715270000**	-	**8726110000**	-
Profibus PA 2-way	•		**8564100000**	**8564070000**	**8714130000**	**8714090000**	**8714210000**	**8714170000**
		•	-	-	-	-	-	-
Profibus PA 4-way	•		**8564110000**	**8564080000**	**8714140000**	**8714100000**	**8714220000**	**8714180000**
		•	**8703450000**	**8726040000**	**8726080000**	-	**8715260000**	-
Profibus PA 8-way	•		**8564300000**	**8564310000**	**8714150000**	**8714110000**	**8714230000**	**8714190000**
		•	**8703470000**	**8726050000**	**8726090000**	-	**8726160000**	-

PROFIBUS-PA accessories

Weidmüller provdies a complete selection of cables, connectors and through panel bushes to help you make the most reliable connections to your system. There are many more options available, contact your local resller for details.

Standard cable lengths

All cables listed under the ordering data have a length of 1.5 metres. The last four ordering digits must be changed when ordering other standard cable lengths.	1.0 m	xxxxxx0100
	2.0 m	xxxxxx0200
	5.0 m	xxxxxx0500
	10.0 m	xxxxxx1000

Accessories

Straight | Angled | PROFIBUS-PA cables | Wall brushing | Plug connector

Model Type	Description	Order number
M12 standard		
FBCon M12 4P M EMC	M12 Standard Plug, 4-Pole, PG 9, Metal Shielded, A-Coded, Screw Connection	9455640000
FBCon M12 4P FM EMC	M12 Standard Socket, 4-Pole, PG 9, Metal Shielded, A-Coded, Screw Connection	8426220000
M12 right-angled		
SAISW-M-4/8 M12	M12 Right-Angle Plug, 4-Pole, PG 9, Metal Shielded, A-Coded, Screw Connection	1803930000
SAISW-FM-4/8 M12	M12 Right-Angle Socket, 4-Pole, PG 9, Metal Shielded, A-Coded, Screw Connection	1803910000
PROFIBUS-PA cables		
FBC PA M12 M 1M	1m long cable with M12 Male plug on one end only	1785120100
FBC PA M12 M 2M	2m long cable with M12 Male plug on one end only	1785120200
FBC PA M12 M 5M	5m long cable with M12 Male plug on one end only	1785120500
FBC PA M12 M 10M	10m long cable with M12 Male plug on one end only	1785121000
FBC PA M12 FM 1M	1m long cable with M12 Female plug on one end only	1785110100
FBC PA M12 FM 2M	2m long cable with M12 Female plug on one end only	1785110200
FBC PA M12 FM 5M	5m long cable with M12 Female plug on one end only	1785110500
FBC PA M12 FM 10M	10m long cable with M12 Female plug on one end only	1785111000
FBC PA M12 M-FM 1M	1m long connecting cable (M12 Female plug to M12 Male plug)	1785100100
FBC PA M12 M-FM 2M	2m long connecting cable (M12 Female plug to M12 Male plug)	1785100200
FBC PA M12 M-FM 5M	5m long connecting cable (M12 Female plug to M12 Male plug)	1785100500
FBC PA M12 M-FM 10M	10m long connecting cable (M12 Female plug to M12 Male plug)	1785101000
FBCEX PA M12 M 1M	1m, Male, straight, PVC blue	1785150100
FBC PA M12 M 1M	1m, Male, straight, PVC black	1785120100
FBCEX PA M12 MA 1M	1m, Male, angled, PVC blue	1076580100
FBC PA M12 MA 1M	1m, Male, angled, PVC black	1076540100
FBCEX PA M12 FM 1M	1m, Female, straight, PVC blue	1785140100
FBC PA M12 FM 1M	1m, Female, straight, PVC black	1785110100
FBCEX PA M12 FMA 1M	1m, Female, angled, PVC blue	1076520100
FBC PA M12 FMA 1M	1m, Female, angled, PVC black	1076530100
FBCEX PA M12 M-FM 1M	1m, Male, straight - Female, straight, PVC blue	1785130100
FBC PA M12 M-FM 1M	1m, Male, straight - Female, straight, PVC black	1785100100
FBCEX PA M12 M-FMA 1M	1m, Male, straight - Female, angled, PVC blue	1075390100
FBC PA M12 M-FMA 1M	1m, Male, straight - Female, angled, PVC black	1075620100
FBCEX PA M12 MA-FMA 1M	1m, Male, angled - Female, angled, PVC blue	1075410100
FBC PA M12 MA-FMA 1M	1m, Male, angled - Female, angled, PVC black	1076550100
FBCEX PA M12 MA-FM 1M	1m, Male, angled - female, straight, PVC blue	1075450100
FBC PA M12 MA-FM 1M	1m, Male, angled - female, straight, PVC black	1075460100
Wall brushing		
SAI-WDF-5P M12 60mm	M12 Thru panel bushing	1819450000
Plug positioning connector		
SAIE-M12S-4-0.5U-AEH-VA	Screw-in M12 plug connector PG9 thread (500mm leads)	1861220001
SAIE-EW-M20/PG9-SW24-VA	Adaptor PG9 internal to M20 external Thread	1950270000
POS-4P M12 PG13.5 150mm	Screw-in M12 plug connector PG13.5 (150mm leads)	9455650000
POS-4P M12 PG13.5 300mm	Screw-in M12 plug connector PG13.5 (300mm leads)	8425910000
POS-4P M12 M20 150mm	Screw-in M12 plug connector PG20 (150mm leads)	8425930000
POS-4P M12 M20 300mm	Screw-in M12 plug connector PG20 (300mm leads)	8425940000
POS-5P M12 M20 300mm	Screw-in M12 plug connector PG20 (300mm leads) B-coded	1795500000

Weidmüller

Customer Specific Solutions

Minimising costs, raising efficiency

With our customer specific solutions you can explore new potentials leading to a reduction of costs and an increase in efficiency. At the same time you simplify your quality management because high-quality production from a single source makes you independent of arrangements with various component suppliers. The final product, which is composed of a variety of single components, offers decisive advantages.

- Simplification of ordering systems and stock-keeping
- Professional assembly
- IECEX certified enclosures

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Electrical Connectivity
Industrial interconnection products and tools

Electrical Connectivity	Heavy Duty Connectors	K.2
	Terminals	K.6
	Enclosures	K.7
	Tools	K.8
	Cabtite cable entry system	K.11
	Identification	K.13
	CSS	K.15

RockStar® Industrial Multipole Connectors - Quick Selection Guide

The Quick Selection Guide will assist you to configure a complete connector. Consisting of a male insert, female insert, hood, bulkhead housing and cable gland, this page will allow you to save time.

HA 3: 3-POLE, 250V, 22A , SIZE 1

Metal housing	Female insert	Male insert	Hood	IP68 Cable glands	Bulkhead housing	Hood-Cable Entry: Side
M20						
Order No.	1498200000	1498100000	1497600000	1772220000	1788820000	1788810000

HA 4: 4-POLE, 250V, 22A, SIZE 1

Metal housing	Female insert	Male insert	Hood	IP68 Cable glands	Bulkhead housing	Hood-Cable Entry: Side
M20						
Order No.	1498400000	1498300000	1497600000	1772220000	1788820000	1788810000

HE 6: 6-POLE, 500V, 24A, SIZE 3

Metal housing	Female insert	Male insert	Bulkhead housing	IP68 Cable glands	Hood-Cable Entry: Top	Hood-Cable Entry: Side
M20						
Order No.	1200200000	1200000000	1202100000	1772220000	1788120000	1788100000

HE 10: 10-POLE, 500V, 16A, SIZE 4

Metal housing	Female insert	Male insert	Bulkhead housing	IP68 Cable glands	Hood-Cable Entry: Top	Hood-Cable Entry: Side
M20						
Order No.	1204100000	1203900000	1205000000	1772220000	1787600000	1787560000

HE 16: 16-POLE, 500V, 16A, SIZE 6

Metal housing	Female insert	Male insert	Bulkhead housing	IP68 Cable glands	Hood-Cable Entry: Top	Hood-Cable Entry: Side
M25						
Order No.	1207700000	1207500000	1208600000	1909920000	1788210000	1788180000

HE 24: 24-POLE, 500V, 16A, SIZE 8

Metal housing	Female insert	Male insert	Bulkhead housing	IP68 Cable glands	Hood-Cable Entry: Top	Hood-Cable Entry: Side
M32						
Order No.	1211300000	1211100000	1212400000	1909930000	1786830000	1786770000

RockStar® Industrial Multipole Connectors - Inserts

HE SERIES

Series	HE - size 3		HE - size 4		HE - size 6		HE - size 8	
No. of poles	6 + ⏚		10 + ⏚		16 + ⏚		24 + ⏚	
Connection	Screw	Push In	Screw	Push In	Screw	Push In	Screw	Push In
Rated current	24 A		16 A		16 A		16 A	
Rated voltage	500 V		500 V		500 V		500 V	
Nominal voltage to UL/CSA	600 V		600 V		600 V		600 V	
Clamping range	0.5 – 2.5 mm²		0.5 – 2.5 mm²		0.5 – 2.5 mm²		0.5 – 2.5 mm²	
Order No. Female	**1200200000**	**1873520000**	**1204100000**	**1873540000**	**1207700000**	**1873560000**	**1211300000**	**1873580000**
Order No. Male	**1200000000**	**1873530000**	**1203900000**	**1873550000**	**1207500000**	**1873570000**	**1211100000**	**1873590000**

Series	HE - size 10		HE - size 12		HE - size 12		HE - size 12	
No. of poles	32 + ⏚		48 + ⏚		32 + ⏚		48 + ⏚	
Connection	Screw		Screw		Push In		Push In	
Rated current	16 A		16 A		16 A		16 A	
Rated voltage	500 V		500 V		500 V		500 V	
Nominal voltage to UL/CSA	600 V		600 V		600 V		600 V	
Clamping range	0.5 – 2.5 mm²		0.5 – 2.5 mm²		0.5 – 2.5 mm²		0.5 – 2.5 mm²	
Pin markings	**(1-16)**	**(17-32)**	**(1-24)**	**(25-48)**	**(1-16)**	**(17-32)**	**(1-24)**	**(25-48)**
Order No. Female	**1207700000**	**1216100000**	**1211300000**	**1221200000**	**1873560000**	**1875740000**	**1873580000**	**1875850000**
Order No. Male	**1207500000**	**1215700000**	**1211100000**	**1220800000**	**1873570000**	**1875800000**	**1873590000**	**1875890000**

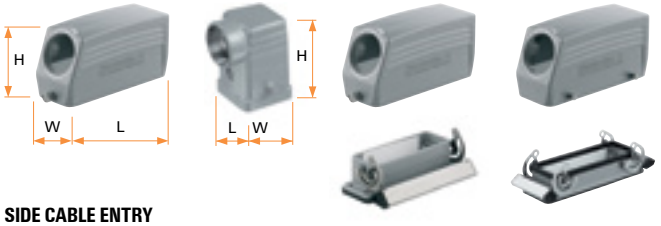
HA SERIES

Series	HA - size 1		HA - size 2	HA - size 5	HA - size 7	
No. of poles	3 + ⏚	4 + ⏚	10 + ⏚	16 + ⏚	32 + ⏚	
Connection	Screw		Screw	Screw	Screw	
Rated current	22 A		22 A	22 A	16 A	
Rated voltage	250 V		250 V	250 V	250 V	
Nominal voltage to UL/CSA	600 V		600 V	600 V	600 V	
Clamping range	0.5 – 2.5 mm²		0.5 – 2.5 mm²	0.5 – 2.5 mm²	0.5 – 2.5 mm²	
Pin markings						**(17-32)**
Order No. Female	**1498200000**	**1498400000**	**1650620000**	**1650780000**	**1650780000**	**1650900000**
Order No. Male	**1498100000**	**1498300000**	**1650610000**	**1650770000**	**1650770000**	**1650880000**

HSB SERIES (HIGH CURRENT)

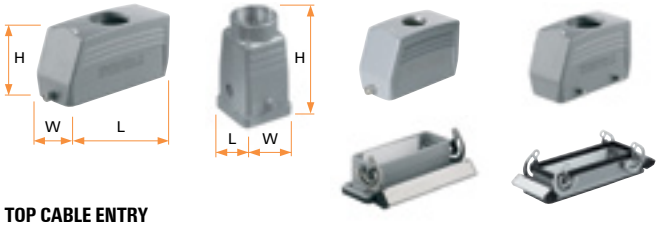
Series	HSB - size 6	HSB - size 10	
No. of poles	6 + ⏚	12 + ⏚	
Connection	Screw	Screw	
Rated current	35 A	35 A	
Rated voltage	400 V	400 V	
Nominal voltage to UL/CSA	600 V	600 V	
Clamping range	0.5 – 6 mm²	0.5 – 6 mm²	
Pin markings			**(17-32)**
Order No. Female	**1498900000**	**1498900000**	**1499000000**
Order No. Male	**1498700000**	**1498700000**	**1498800000**

RockStar® Industrial Multipole Connectors - Standard IP65 Housings - Hoods, Coupling Hoods and Bulkhead Housings



SIDE CABLE ENTRY

Size	L	W	H	W	Order No. (1 lock)	Order No. (2 locks)
1	26.7	26.7	49.2	20	1788810000	
2	63	29.5	68	20	1788860000	
3	60	43	52	20	1788100000	
	60	43	52	25	1788090000	
4	73	43	52	20		1787560000
	73	43	52	25	1787580000	1787550000
5	79	29.5	58	25	1788740000	
6	93.3	43	61	25	1788200000	1788180000
7	82	56	75	25		1787960000
	82	56	75	32		1787950000
8	120	43	61	25	1787800000	1787760000
	120	43	76	32	1786810000	1786770000
10	94	83	79	32	1788420000	1788400000
12	132	90	94	40	1788310000	



TOP CABLE ENTRY

Size	L	W	H	W	Order No. (1 lock)	Order No. (2 locks)
1	26.7	26.7	50	20	1788820000	
2	63	29.5	54	20	1788620000	
	63	29.5	54	25	1788610000	
3	60	43	52	20	1788120000	
	60	43	52	25	1788110000	
4	73	43	52	20		1787600000
	73	43	52	25	1787620000	
5	79	29.5	58	25	1788750000	
6	93.3	43	61	25	1788230000	1788210000
7	82	56	75	32		1787990000
8	120	43	61	25	1787860000	1787820000
	120	43	76	32	1786860000	1786830000
10	95	83	79	32	1788450000	1788430000
12	132	90	94	50	1788330000	

COUPLING HOODS (METRIC ENTRIES)

Size	L	W	H	W	Order No. (1 lock)	Order No. (2 locks)
1				20	1788840000	
2				25	1788670000	
3				25	1021330000	
4				20		1787720000
				20	1787740000	
				25	1787730000	
5				25	1788800000	
6				25		1787200000
				32		1787190000
				25	1787220000	
7				25		1788080000
				32		1788070000
8				25		1787920000
				32		1786960000

BULKHEAD HOUSINGS

Size	L	W	H	W	Order No. (1 lock)	Order No. (2 locks)
1	28	30	23		1497600000	
2	84	32	25		1664040000	
	84	32	37.5		1664060000[2]	
3	82	47	29		1202100000	
	82	47	47		1202500000[2]	
4	95	47	29.3		1206100000	1205000000
	95	47	51.6		1206500000[2]	
5	98	33	25		1664920000	
	98	33	44.5		1664940000[2]	
6	115	47	29		1209700000	1208600000
	115	47	47		1210100000[2]	
7	102	56	25			1665860000
8	143	47	29.3		1213900000	1212400000
	143	47	51.3		1214300000[2]	
10	127	89	38		1219500000	1217800000
	127	89	55		1219800000[2]	
12	168	97	62		1222900000[2]	

Key: [2] indicates with an integral cover

RockStar® Industrial Multipole Connectors - Standard IP65 Housings - Base Housings

BASE HOUSINGS WITH 1 OR 2 METRIC ENTRIES

Size	L	W	H	W	Order No. (1 lock)	Order No. (2 locks)
1	40	28	25.8	1XM20	1788830000	
2	80	50	57	1XM20	1901100000	
	80	50	69.5	1XM20	1901010000[2]	
	80	50	57	1XM25	1901160000	
	80	50	69.5	1XM25	1901040000[2]	
	80	50	57	2XM20	1788640000	
	80	50	69.5	2XM20	1788660000[2]	
	80	50	57	2XM25	1788630000	
	80	50	69.5	2XM25	1788650000[2]	
3	82	54.5	54	1XM20	1900460000	
	82	54.5	72	1XM20	1900360000[2]	
	82	54.5	54	1XM25	1900480000	
	82	54.5	72	1XM25	1900380000[2]	
	82	54.5	54	2XM20	1788140000	
	82	54.5	72	2XM20	1788170000[2]	
	82	54.5	54	2XM25	1788130000	
	82	54.5	72	2XM25	1788160000[2]	
4	92.5	53.5	57	1XM20	1901620000	1901360000
	92.5	53.5	79.5	1XM20	1901570000[2]	
	92.5	53.5	57	1XM25	1901640000	1901370000
	92.5	53.5	57	2XM20	1787660000	1787640000
	92.5	53.5	79.5	2XM20	1787700000[2]	
	92.5	53.5	57	2XM25	1787650000	

Size	L	W	H	W	Order No. (1 lock)	Order No. (2 locks)
5	96	50	57	2XM20	1788770000	
	96	50	76.5	2XM20	1788790000[2]	
	96	50	57	2XM25	1788760000	
	96	50	76.5	2XM25	1788780000[2]	
6	117	56.5	64	1XM25	1900170000	1899980000
	117	56.5	64	2XM25	1788250000	1788240000
	117	56.5	82	2XM25	1788270000[2]	
7	106	64.5	75	1XM25		1903870000
	106	64.5	75	2XM25		1788040000
8	144	57.5	64	1XM25	1901560000	1901150000
	144	57.5	86	1XM25	1901480000[2]	
	144	57.5	64	2XM25	1787880000	1787870000
	144	57.5	86	2XM25	1787900000[2]	
10	126	92.5	79	1XM32	1902670000	
	126	92.5	96	1XM32	1902650000[2]	
	126	92.5	79	2XM32	1788470000	1788460000
	126	92.5	96	2XM32	1788490000[2]	
12	138	120	100	1XM32	1904190000	
	138	120	120	1XM32	1904150000[2]	
	138	120	100	2XM40	1788360000	

Key: [2] indicates with an integral cover

RockStar® Industrial Multipole Connectors - Cable Glands and Accessories

RockStar® Cable Glands and Accessories

Plastic Polyamide - IP67

IP67 as standard with integral moulded sealing lip

Thread	Clamping Range	Order No.
M20	6 - 12 mm ø	1909690000
M20	10 - 14 mm ø	1909700000
M25	13 - 18 mm ø	1909710000
M32	18 - 25 mm ø	1909720000
M40	22 - 32 mm ø	1909730000
M50	30 - 38 mm ø	1909740000

Brass Nickel Plated - IP54 / IP65

IP54 as standard. IP65 with sealing washer

Thread	Clamping Range	Order No.
M20	8 - 10 mm ø	1778380000
M20	10 - 12 mm ø	1778370000
M25	12 -14 mm ø	1778360000
M25	15 - 17 mm ø	1778350000
M32	24 - 26 mm ø	1778340000
M40	28 - 30 mm ø	1778330000
M50	39 - 41 mm ø	1778310000

Brass Nickel Plated - IP54 / IP65

IP68 as standard with included O-ring

Thread	Clamping Range	Order No.
M20	6 - 12 mm ø	1772220000
M25	11 - 17 mm ø	1909920000
M32	15 - 21 mm ø	1909930000
M40	19 - 28 mm ø	1909940000
M50	27 - 38 mm ø	1909950000

Brass Nickel Plated Half Glands - IP65

For use with base housings only

Thread	Clamping Range	Order No.
M20	7 - 13 mm ø	1921720000
M25	11.5 - 18 mm ø	1921740000
M32	19 - 25 mm ø	1921760000
M40	26 - 32 mm ø	1921770000

Bellmouth Brass Nickel Plated – IP54

IP54 as standard bending protection and strain relief

Thread	Flared Entry	Strained Relief	Order No.
M20	6.5 - 12.5 mm ø	8 - 12 mm ø	1005210000
M20	6.5 - 12.5 mm ø	9 - 14 mm ø	1004370000
M20	6.5 - 15 mm ø	10 - 15 mm ø	1005220000
M25	9 - 19 mm ø	14 - 20 mm ø	1005230000
M32	17 - 27 mm ø	18 - 27 mm ø	1005240000

Sealing Washer - Polyethylene material

For use with cable glands and plugs

Thread	Order No.
M20	1777940000
M25	1777950000
M32	1777960000
M40	1777970000
M50	1777980000

Blanking Plug - Plastic Polyamide

IP54 as standard. IP66 with sealing washer

Thread	Order No.
M20	1776910000
M25	1776900000
M32	1776940000
M40	1776950000
M50	1776960000

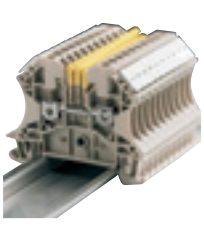
Blanking Plug - Brass Nickel Plated

IP68 with sealing washer added

Thread	Order No.
M20	1777740000
M25	1777750000
M32	1777760000
M40	1777770000
M50	1777780000

DIN Rail Terminals

Terminals W-Series



Screw connection | Fuse Inserts | DIN rail | End brackets

	Product	Type	Terminal Order number	Qty*	Solid Stranded mm²	Flexible with Ferrule mm²	Rated Voltage	Rated Current	Width (mm)	End Plate Order number
	WDU 2.5 Beige	Feed-through Terminal	1020000000	100	0.5 ... 4.0	0.5 ... 2.5	800 V	24 A	5.1	1050000000
	WDU 4 Beige	Feed-through Terminal	1020100000	100	0.5 ... 6.0	0.5 ... 4.0	800 V	32 A	6.1	1050000000
	WDU 6 Beige	Feed-through Terminal	1020200000	100	0.5 ... 10	0.5 ... 6.0	800 V	41 A	7.9	1050000000
	WPE 2.5N	Earth Terminal	1016200000	100	0.5 .. 4.0	0.5 ... 2.5	500 V	-	5.1	1060000000
	WPE 4N	Earth Terminal	1042700000	100	0.5 ... 4.0	0.5 ... 4.0	500 V	-	6.1	1060000000
	WTR 2.5 Beige	Knife disconnect Terminal	1855610000	100	0.5 ... 4.0	0.5 ... 2.5	500 V	24 A	5.1	1050000000
	WSI 6 Beige	Fuse Terminal	101100000	100	0.5 ... 10	0.5 ... 6.0	500 V	6.3 A	7.9	1050000000

Fuse Inserts

Product name	Qty*	Rated Voltage	Rated Current	Size (mm)	For Terminals	Order number
(F) G 20/ 0.25 A/F	10	250 V	0.25 A	5 x 20	SAKS 1/G20, SAKS 7, ASK 1, WSI 6 KSK 1/35, KDKS 1/35	0430500000
(F) G 20/ 0.50 A/F	10	250 V	0.50 A	5 x 20		0430600000
(F) G 20/ 1.00 A/F	10	250 V	1.00 A	5 x 20		0430700000
(F) G 20/ 1.00 A/F	10	250 V	2.00 A	5 x 20		0430900000

Accessories

Product name	Type	Material	Thickness	Length	Qty*	Order number
DIN Rail						
TS 35 x 7.5	with Slotted Hole M6x19mm	Steel, White Passivated	1 mm	2 m	1	0430500000
End Brackets						
ZEW 35/6 (TS35)					20	9540000000
Screwdriver						
SDI 0.6 x 3.5 x 100						9008390000
Shield connection terminals						
KLBU 3-8 SC	3-8mm cable diameter to suit FM4 foot					1692261001
KLBU 4-13.5 SC	4-13.5mm cable diameter to suit FM4 foot					1712311001
KLBU 10-20 SC	10-20mm cable diameter to suit FM4 foot					1712321001
FM4	Metal DIN rail feet with M4 thread					0687900000
SSCH 10X3X1000 CU/SN	Tin plated copper busbar (1m length)					0348900000
SH 1 TS 15 complete	Busbar Holding Clip					0299860000
ZB 4G GN/GE	Busbar Clamping Yoke Green/Yellow for Instrument Earth					0322160000
ZB4 Blank	Bare Busbar Claming Yoke					0316500000
WSH1	DIN Rail Holder					1068700000
Markers						
DEK5/5 Multi	Card of 200 markers - special print to order					1609810000

Aluminium Enclosures

The K-Series of enclosures offers excellent resistance in industrial and transport environments. They are ideal for a wide series of applications, including configuration with terminals, switches, power packs, push buttons, control lamps or electronic components.

- 19 sizes in 2 versions
- Lid with stainless steel screws
- Internal earthing studs
- Mounting holes located outside of the sealed area
- Threaded holes for mounting rails and mounting plates

Our assembly service can supply these enclosures pre-assembled with terminals and cable glands according to ustomer requirements.

Aluminium Enclosures

Type	Description	Standard
Material		High quality aluminium alloy (Al-Si-12)
Surface		Smooth, Untreated, Painted: SIlver-grey textured (Similar to RAL 7001)
Gasket		Chloroprene cr (silicone optional)
Lid fixing	K0, K01, K02, K1, K11 K2, K21, K3, K31, K32, K4	Captive stainless steel slotted head / crosshead M4 screws
	K5, K6, K7	Captive stainless steel slotted head / crosshead M5 screws
	K41, K51, K61, K7	Captive stainless steel slotted head / crosshead M6 screws
	K71	Captive stainless steel slotted head / crosshead M7 screws
Earthing (internal)	K0, K01, K02, K1, K11, K2, K21, K3, K31, K32	Earthing screw M4
	K4, K41, K5, K51, K7	Earthing screw M5
Enclosure mounting	K0, K01, K02, K1, K11, K2, K21, K3, K31, K32	Holes 4mm
	K4	Holes 5mm
	K41, K5, K51, K52, K61, K71	Holes 6mm
	K5, K6, K7	Holes 7mm
Equipment mounting	K0, K01, K3	2 Threaded holes M3
	K1, K11, K2, K21, K31, K32	2 Threaded holes M4
	K4, K5, K51, K6, K7, K71, K8	2 Threaded holes M5
	K41, K52, K72, K81	2 Threaded holes M6
Protection class		IP 66 and IP 67
Impact resistance		7 J
Temperature range		-40°C ... +80°C

Ordering data

Model Type	Description	Length (mm)	Width (mm)	Depth (mm)	Inner Height (mm)	Weight (G)	Order number
K0	Unpainted, Standard	45	50	30	25	65	**0573200000**
K01	Unpainted, Standard	64	58	34	28	120	**1565240000**
K02	Unpainted, Standard	64	98	34	28.5	200	**1565250000**
K1	Unpainted, Standard	70	70	45	25	220	**0342000000**
K11	Unpainted, Standard	80	75	57	51	280	**0573300000**
K2	Unpainted, Standard	70	100	45	25	280	**0342100000**
K21	Unpainted, Standard	80	125	57	51	400	**0573400000**
K3	Unpainted, Standard	70	165	45	25	400	**0342200000**
K31	Unpainted, Standard	80	175	57	51	520	**0573500000**
K32	Unpainted, Standard	80	250	55	48.5	710	**1565260000**
K4	Unpainted, Standard	82	130	72	66	620	**0342300000**
K41	Unpainted, Standard	120	122	81	73	840	**1565270000**
K5	Unpainted, Standard	130	170	90	81	1540	**0342400000**
K51	Unpainted, Standard	120	220	81	72	1280	**1565280000**
K52	Unpainted, Standard	160	160	91	82	1480	**1565290000**
K6	Unpainted, Standard	160	200	100	93	2000	**0342500000**
K61	Unpainted, Standard	160	260	91	82	2060	**0573600000**
K7	Unpainted, Standard	160	350	100	93	2870	**0342600000**
K71	Unpainted, Standard	230	280	111	102	2925	**0573700000**

Cutting tools

KT 8
- Cutting formation for different cable sizes increases the quality of the cuts for smaller cross-sections
- Not suitable for steel wires, steel-armoured cables, aluminium alloys and hard-drawn copper conductors!
- Cutting without deformation of the conductor

SCISSOR 2K
- With wire cutter
- Serrated cutting edge
- Rust-proof
- Soft-touch handle for firm grip

SCISSOR KEVLAR
- Cable shears specially designed for aramid fibres
- Only for cutting aramid fibres (strain relief in fibre-optic cables)

Cutting tools

KT 8 | SCISSOR 2K | SCISSOR KEVLAR

Model Type	Description	Order number
KT 8	Cutting tool	9002650000
SCISSOR 2K	Electrician's scissors	9918230000
SCISSORS KEVLAR	Electrician's scissors	1208910000

Stripping tools

stripax®
- Automatic stripping & cutting tool for flexible cables 0.08...10 mm²
- Processing of multi-conductors, with thin flat ribbon cables and even multiple conductors in one operation
- No damaging of the conductor due to special, self adjustable stripping blades

AM 12
- Cutting of UTP and STP data cables and other flexible copper cables with a diameter of up to 4 mm² (~AWG11)
- No damage to the shielding or conductor due to adjustable stripping blade

AM 16
- Especially suitable for stripping cables in the cable duct

IE-CST
- 1, 2 and 3 level stripping in one step
- Fast changeover to other cable types thanks to adjustable and interchangeable screw holder 2.5...8 mm ø

Stripping tools

stripax® | AM 12 | AM 16 | IE-CST

Model Type	Description	Order number
stripax®	Stripping and cutting tools	9005000000
AM 12	For UTP and STP data cables	9030060000
AM 16	For round cable, Ø 6...17 mm	9204190000
IE-CST	For coaxial cable and round (shielded) data cables from Ø 2.5...8 mm	9204350000

Crimping tools

stripax® Plus 2.5
- ~AWG 20...14
- Processing of strips from linked wire-end ferrules of 0.5...2.5 mm² from Weidmüller
- **Note: only use Weidmüller ferrules in strip form**

TT 8 RS MP 8
- AWG 27...24

IE-CT-SC-GOF / IE-CT-LC-GOF
- For fibre-optic SC/ST, IP 20 and IP 67 connectors
- For fibre-optic LC and IP 67 connectors

PDT
- For connecting twisted-pair cable to terminal rails with IDC contacts e.g. in main and floor distributors, and in modular wall junction boxes for structured building cabling.

Crimping tools

stripax® Plus 2.5 | TT 8 RS MP 8 | IE-CT-SC-GOF / IE-CT-LC-GOF | PDT

Model Type	Description	Order number
stripax® plus 2.5	3 functions: cutting, stripping, crimpling	9020000000
TT 8 RS MP 8	For 8-pole shielded RJ 45 plugs	9202800000
IE-CT-SC-GOF	Crimping tools for IP 20 + IP 67 connectors	9205320000
IE-CT-LC-GOF	Crimping tools for IP 20 + IP 67 connectors	9205330000
PUNCH DOWN TOOL PDT	Incision tool for twisted-pair cable	9013970000

Crimping, stripping and cutting tools

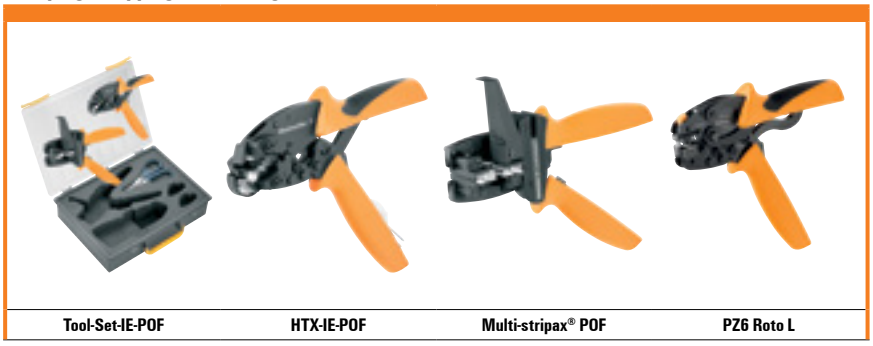
Tool-Set-IE-POF
- Assortment case PSC 80
- Kevlar scissors for aramid fibres
- Multifunction tool HTX-IE-POF
- Stripping tool multi-stripax® IE-POF

HTX-IE-POF
- Ratchet for precise crimping
- Release option in the event of incorrect operation
- With end stop for exact positioning of the contacts

Multi-stripax® POF
- Duplex Stripping tool for fast processing of POF fiber and cable according to IEC 60793-2 A4A fibre (1,000 µm/ 980 µm POF).
- Cutting function up to 6 mm²

PZ 6 ROTO L
- 0.14mm² - 6mm²
- Trapezoidal crimp

Crimping, stripping and cutting tools



Tool-Set-IE-POF | HTX-IE-POF | Multi-stripax® POF | PZ6 Roto L

Model Type	Description	Order number
TOOL-SET-IE-POF	Crimping, stripping and cable shears	1208930000
HTX-IE-POF	Crimping tools for other contacts	1208870000
Multi-stripax® POF	Stripping and cutting tools	1208880000
PZ 6 ROTO L	Crimping tool for wire-end ferrules	1444050000

Pliers and ESD pliers

KBZ 180
- Cutting edges inductively hardened to approx. 60 HRC
- Optimum force leverage
- Length: 180mm

SE HD 160
- With inlaid joint
- With precision cutting edges
- Cutting edges inductively hardened to approx. 62 HRC
- Special tool for steel

SEE ESD 120
- Hard wire (spring wire/steel nails): 0.4 mm/AWG 26
- Semi-hard wire (iron/nails): 1.0 mm/AWG 18
- Soft wire (copper/aluminium): 1.5 mm/AWG 15

SUPER CUT
- Soft wire (copper): 1.2 mm/AWG 16

Pliers and ESD pliers

KBZ 180 | SE HD 160 | SEE ESD 120 | SUPER CUT

Model Type	Description	Order number
KBZ 180	Insulated combination pliers	9046290000
SE HD 160	Diagonal-cutting pliers for hard wire	9046320000
SEE ESD 120	Electronic ESD diagonal-cutting pliers with pointed head	9205130000
SUPER CUT	Electronic diagonal-cutting pliers	9205150000

Screwdrivers

Swifty®set
- Only one tool for cable processing in IDC technology
- Can be used for screw and tension clamp terminals

SlimLine screwdriver set
- 6-part set: VDE insulated slotted and crosshead PH screwdriver set

Insulated screwdriver set
- 4x slot head screwdrivers (2.5-5.5mm flat blade)
- 2x phillips head screwdrivers (Sizes 1 & 2)
- Professional SoftFinish® non-slip handles

Uninsulated screwdrivers
- 4x slot head screwdrivers (2.5-5.5mm flat blade)
- 2x phillips head screwdrivers (Sizes 1 & 2)
- Professional SoftFinish® non-slip handles

Screwdrivers

Swifty®set | SlimLine screwdriver set | Insulated screwdriver set | Uninsulated screwdriver set

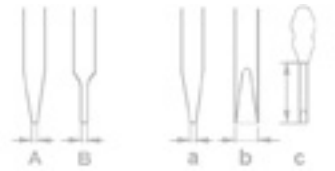
Model Type	Description	Order number
Swifty®set with screwdriver	Screwdriver with cutting adapter	9006060000
SlimLine screwdriver set	VDE insulated screwdriver with thin blade	1274750000
Insulated screwdriver set	VDE-insulated screwdrivers	9009730000
Uninsulated screwdriver set	Uninsulated screwdriver	9009740000

SlimLine screwdrivers

SDI SL S
- VDE insulated slot-head screwdriver, SDI SL DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish® grip

SDIK SL PH
- VDE-insulated crosshead screwdriver, Phillips type, SDIK SL PH DIN 7438, ISO 8764/2-PH, output acc. to ISO 8764-PH, SoftFinish® grip

SDIK SL PZ
- VDE-insulated crosshead screwdriver Pozidrive type, SDIK SL PZ DIN 7438, ISO 8764/2-PZ, output acc. to ISO 8764-PZ, SoftFinish® grip



SlimLine screwdrivers

SDI SL S | SDIK SL PH | SDIK SL PZ

Model Type	Blade type	Size / AF	a	b	c	Order number
SDI SL S						
SDIS SL 0,6x3,5x100	B		0,6	3,5	100	**1274660000**
SDIS SL 0,8x4,0x100	B		0,8	4,0	100	**1274670000**
SDIS SL 1,0x4,5x125	B		1,0	4,5	125	**1274680000**
SDIS SL 1,2x6,5x150	B		1,2	6,5	150	**1274690000**
SDIK SL PH						
SDIK SL PH1		1			80	**1274710000**
SDIK SL PH2		2			100	**1274720000**
SDIK SL PZ						
SDIK SL PZ1		1			80	**1274730000**
SDIK SL PZ2		2			100	**1274740000**

Cable tester

LAN USB
- Network cable tester for LAN and USB connections
- Including remote tester
- Connection option for RJ45 plug
- Manual and automatic test
- Display of connection faults (cable breakage, wrong connection, incorrect wiring)

IE-CT
- Interference voltage
- External voltage: 80 V AC / DC

Cable tester

LAN / USB Tester | IE-CT

Model Type		Order number
LAN USB TESTER		**9205400000**
IE-CT		**8808420000**

Cabtite cable entry system

KVT 32 and locknut for D-Sub 9

KVT 32

Model Type	Thread	White Order number	Black Order number
HDC KVT 32	M 32 x 1.5	1826670000	1828270000
Locknut for D-Sub 9			
KGM-SUB-D9	M 32 x 1.5	1828250000	1828300000

Cabtite cable entry system

Cable grommets, small

HDC KT

Model Type	Clamping range (mm)	Grey Order number	Black Order number
HDC KT 5	5-6	1826480000	1827810000
HDC KT 6	6-7	1826490000	1827830000
HDC KT 7	7-8	1826500000	1827840000
HDC KT 8	8-9	1826510000	1827850000
Blanking plugs, small			
HDC BTK		1828170000	1828200000

Cabtite cable entry system

Cable grommets, small

HDC KEL 16

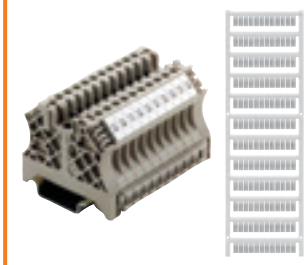
Model Type	No. of grommet small	Black Order number
HDC KEL 16/8	8	1825910000
HDC KEL 16/4	4	1825900000
Blanking plugs, small		
HDC KEL 16 SNAP		1827770000

WS Markers

Technical data

Type	Description
Material	Polyamide 66 Halogen Free
UL 94 Flammability Rating	V2
Temperature Rating	-40°C to 100°C
Printing	Black (Standard) Coloured Available

WS Markers - W, Z, P & I Series



WS Markers

Model Type	Colour	Mat Quantity	Application	Order number
WS 8/5 MC	White	144	5mm Pitch	1640750000
WS 10/5 MC	White	144	5mm Pitch	1635010000
WS 10/6 MC	White	120	6mm Pitch	1818410000
WS 12/5 MC	White	144	5mm Pitch	1609870000
WS 12/6 MC	White	120	6mm Pitch	1609910000
WS 10/8 MC	White	84	8mm Pitch	1906030000
WS 10/12 MC	White	60	12mm Pitch	1906060000
WS 12/6,5 MC	White	108	6.5mm Pitch	1609930000
WS 12/8 MC	White	84	8mm Pitch	1906010000
WS 15/5 MC	White	96	5mm Pitch	1609890000
WS 10/15 MC	White	48	15mm Pitch	1854100000

Note: Colour options are available for some WS mats, please contact your Weidmüller Distributor

Terminal group marking

Technical data

Type	Description
Material	Polyamide 66 Halogen Free
UL 94 Flammability Rating	V2
Temperature Rating	-40°C to 100°C
Printing	Black (Standard) Coloured Available

Group Marker SchT 5 or SchT 5S

SCHT 5 S SCHT 5

Model Type	Description	Quantity	Order number
Label Covers			
SCHT 5 S	9.5 mm width	Pack 20	1631930000
SCHT 5	19.5 mm width	Pack 20	0292460000

Model Type	Colour	Mat/Sheet Quantity	Application	Order number
ELS 7/40 MC SDR	White	8	SCHT 5 S Polyamide	104570WEIS
ELS 16/40 MC SDR	White	8	SCHT 5 Polyamide	104569WEIS
SCHT - 5 Clear Cover	White	20	Suitable for card cover	0294000000
SCHT - 5 - S Clear Cover	White	20	Suitable for card cover	1631940000

SlimFix Clip wire markers

Technical data

Type	Description
Material	PVC
UL 94 Flammability Rating	V2
Temperature Rating	-40°C to 100°C
Printing	Black (Standard) Coloured Available

SlimFix SFC

Model Type	Colour	Mat Quantity	Application	Order number
SFC 2,5/12 WS	White	24	4,0-6,0 mm²	1062040000
SFC 2,5/21 WS	White	24	4,0-6,0 mm²	1062110000
SFC 3/12 WS	White	16	4.0 - 10.0 mm²	1025550000
SFC 3/21 WS	White	16	4.0 - 10.0 mm²	1025560000
SFC 3/30 WS	White	12	4.0 - 10.0 mm²	1025570000

Note: Colour options are available for some WS mats, please contact your Weidmüller Distributor

Wire markers heat shrink twinmark sleeves

Technical data

Type	Description
Material	Polyolefin, halogen-free according to VDE 0472-815
Temperature Rating	-40°C to 105°C
Flammability	VDE 5510-2 drop-forming class ST2, EN 50343; Fed. STD-228, method 5221
Print Durability	MIL-M-81531, MIL-STD-202, method 215J If printed with Weidmüller THM-Plus or HSS 2001 printer and ribbon R 83/300

Twin mark heat shrink sleeves

HSS-HF

Model Type	Wire Diameter	Order number
HSS-HF1/8"1.8-2.8	1.8 – 2.8 mm	1961900000
HSS-HF3/16"2.8-4.2	2.8 – 4.2 mm	1961910000
HSS-HF1/4"4.2-5.8 4	2 – 5.8 mm	1961920000
HSS-HF3/8"5.8-8.0	5.8 – 8.0 mm	1961930000
HSS-HF1/2"8.0-11.0	8.0 – 11.0 mm	1961940000
HSS-HF3/4"11.0-17.0	11.0 – 17.0 mm	1961950000

Note: Please contact weidmuller for special print pricing and part numbers

Stainless steel cable marker

- Material 316 Stainless Steel
- Printing Black

Laser engraved 316 grade stainless steel cable markers

Stainless steel cable marker

Model Type	Grade	Cable Marker Dimensions mm H x L x T	Order number
Stainless Steel - 2 Hole	316	SS316TAG 10X89X0.4MM PRINT	7940013175
Stainless Steel - 2 Hole	316	SS316TAG 19X89X0.4MM PRINT	7940013176

Engraved legend plates

- Material 316 Stainless Steel
- Printing Black

Engraved legend plates 316 stainless steel

Engraved legend plates

Model Type	Grade	Application	Order number
SS316TAG 2B	316	80 x 20 x 1.5 Print	7940038881
SS316TAG 2B	316	100 x 20 x 1.5 Print	7940038880
SS316TAG 2B	316	120 x 25 x 1.5 Print	7940038882
SS316TAG 2B	316	150 x 30 x 1.5 Print	7940038879
SS316TAG 2B	316	200 x 50 x 1.5 Print	7940038878

TM-I wire markers

Inlay tags for transparent sleeves

TM-I wire markers

Technical data

Type	Description
Material	Polyamide 66 Halogen Free
UL 94 Flammability Rating	V2
Temperature Rating	-40°C to 100°C
Printing	Black (Standard) Coloured Available

Model Type	Colour	Mat Quantity	Application	Order number
TM-I 12 WS	White	64	12mm sleeves	1718420000
TM-I 15 WS	White	80	15mm sleeves	1609990000
TM-I 18 WS	White	64	18mm sleeves	1718440000
TM-I 20 WS	White	80	20mm sleeves	1680420000
TM-I 30 WS	White	80	30mm sleeves	1876320000

Transparent PVC sleeves

Technical data

Type	Description
Material	PVC
UL 94 Flammability Rating	V2
Temperature Rating	-50°C continuous/80°C continuous
Printing	Transparent

TM cable & wire markers

TM 203

Model Type	Box Quantity	Wire Diameter	Order number
TM 203/12	500	4 - 7 mm	1798510000
TM 203/15	500	4 - 7 mm	1798490000
TM 203/18	500	4 - 7 mm	1798480000
TM 203/20	500	4 - 7 mm	1798470000
TM 203/30	200	4 - 7 mm	1874770000
TM 204/12	200	6 - 10 mm	1806180000
TM 204/15	200	6 - 10 mm	1806240000
TM 204/18	200	6 - 10 mm	1806300000
TM 204/20	200	6 - 10 mm	1806360000
TM 204/30	200	6 - 10 mm	1874780000

Engraved acrylic labels

- Edge bevelling and standard mounting holes at no extra cost. Alternate colour combinations subject to availability.
- Available in shapes, cutouts, push-buttons and complex design
- Available with or without adhesive backing
- Alternate to Traffolyte

Technical data

Type	Description
Material	Laminated, UV Stable, Impact Acrylic
Thickness	2-ply 1.6mm (1/16")
Usage	Interior/Exterior Signage, Control Panels, Legend Plates and Personal Identification
Features	Long-term durability, wear, impact and fade resistant

Engraved acrylic labels

Engraved acrylic labels

Area CM² (LxW)	Thickness	White with Black Text	White with Red Text	Blue with White Text	Yellow with Black Text	Red with White Text
25	1.6mm	7940009885	7940012996	7940009998	7940012986	7940009988
50	1.6mm	7940009886	7940012998	7940009999	7940012987	7940009989
100	1.6mm	7940009887	7940013000	7940010717	7940012988	7940009990
150	1.6mm	7940009888	7940013001	7940010718	7940012989	7940009991
300	1.6mm	7940009889	7940013002	7940010720	7940012990	7940009992
600	1.6mm	7940009890	7940013003	7940010723	7940012991	7940009993
900	1.6mm	7940009891	7940013004	7940012981	7940012992	7940009994
1200	1.6mm	7940009892	7940013005	7940012983	7940012993	7940009995
1800	1.6mm	7940009893	7940013006	7940012984	7940012994	7940009996
2400	1.6mm	7940009894	7940013007	7940012985	7940012995	7940009997

Clipcard

- An alternative to engraving. For use with CC holder or Self Adhesive option

Technical data

Type	Description
Material	Polyamide 66 Halogen Free
UL 94 Flammability Rating	V2
Temperature Rating	-40°C to 100°C
Printing	Black (Standard) Coloured Available

Clipcard

Clipcard

Model Type	Colour	Mat Quantity	Application	Order number
CC Holder				
CC 15/17 MC WS	White	16	Used with CC Holder CC-H 15/17; Rail	**1876600000**
CC 15/27 MC WS	White	16	Used with CC Holder CC-H 15/17; Rail	**1876750000**
CC 15/49 MC WS	White	8	Used with CC Holder CC-H 15/49	**1877230000**
CC 15/60 MC WS	White	8	Used with CC Holder CC-H 15/60	**1877320000**
CC 30/60 MC WS	White	6	Used with CC Holder CC-H 30/60	**1934370000**
CC 85/54 MC WS	White	2	Used with CC Holder Logimark-H	**1138460000**
CC RAIL 1000	White	1	1000 mm Black	**1790150000**
CC RAIL 1000 TRANSPARENT	White	1	1000 mm Clear Cover	**1790160000**
Self Adhesive				
CC 15/17 K MC WS	White	16	Self Adhesive	**1876620000**
CC 15/27 K MC WS	White	16	Self Adhesive	**1876630000**
CC 15/49 K MC WS	White	8	Self Adhesive	**1877200000**
CC 15/60 K MC WS	White	8	Self Adhesive	**1877300000**
CC 30/60 K MC WS	White	6	Self Adhesive	**1934410000**
CC 85/54 K MC WS	White	2	Self Adhesive	**1138470000**

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